



♦♦ Polypropylene

PROPERTY	UNIT	STANDARD	ECO MEPLEN IC M10 BK	ECO MEPLEN IC M20 BK	ECO MEPLEN IH C20	ECO MEPLEN IH C30	ECO MEPLEN IH C40
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	0,94	0,94	1,04	1,13	1,23
MFI	g/10 min	ASTM D 1238 ISO 1133	10	20	10	10	10
MFI condition	°C/kg	ASTM D 1238 ISO 1133	230/2,16	230/2,16	230/2,16	230/2,16	230/2,16
Shore	-	ASTM D 2240 ISO 868	66	68	70	72	72
Shore condition	A/D	ASTM D 2240 ISO 868	D	D	D	D	D
Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	0,02	0,02	0,02	0,02	0,02
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
Filler content	%	ASTM D 2584 ISO 3451	-	-	20	30	40
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	-	-	1,4/1,8	1,2/1,6	1,1/1,5
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	100	80	30	30	30
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	-	-	-	-	-
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	20	22	25	23	20
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	40	40	40	30	20
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	1100	1150	1900	2200	2800
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	1000	1100	1800	2100	2700
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	95	100	110	112	115
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	-	-	58	60	61
VICAT (10 N)	°C	ASTM D 1525 ISO 306	145	150	146	148	150
VICAT (50 N)	°C	ASTM D 1525 ISO 306	60	70	85	90	95
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR Flame behaviour	-	UL94	-	-	-	-	-



ECO compounds are made utilizing 30% of recycled polymers at least. These products are certified by IPPR institute and are identified with "Plastica Seconda Vita" brand.



> **ECO MEPLEN IC M10 BK**
Polypropylene copolymer injection moulding, medium flow, general porpouse.

> **ECO MEPLEN IC M20 BK**
Polypropylene copolymer injection moulding, easy flow, general porpouse.

> **ECO MEPLEN IH C20**
Polypropylene homopolymer, calcium carbonate 20%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> **ECO MEPLEN IH C30**
Polypropylene homopolymer, calcium carbonate 30%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> **ECO MEPLEN IH C40**
Polypropylene homopolymer, calcium carbonate 40%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

◆ Polypropylene

PROPERTY	UNIT	STANDARD	ECO MEPLEN IH T20	ECO MEPLEN IH T30	ECO MEPLEN IH T40	ECO MEPLEN IH F30	ECO MEPLEN IH F40
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,04	1,13	1,25	1,12	1,21
MFI	g/10 min	ASTM D 1238 ISO 1133	10	10	10	9	9
MFI condition	°C/kg	ASTM D 1238 ISO 1133	230/2,16	230/2,16	230/2,16	230/2,16	230/2,16
Shore	-	ASTM D 2240 ISO 868	74	75	76	78	78
Shore condition	A/D	ASTM D 2240 ISO 868	D	D	D	D	D
Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	0,02	0,02	0,02	0,07	0,07
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
Filler content	%	ASTM D 2584 ISO 3451	20	30	40	30	40
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	1,1/1,5	0,9/1,3	0,7/1,1	0,1/0,4	0,1/0,3
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	30	30	25	80	80
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	-	-	-	-	-
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	30	28	26	78	80
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	20	20	20	5	3
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	2300	2900	3400	5600	7000
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	2200	2800	3300	4500	5500
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	120	125	130	155	157
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	65	70	75	140	145
VICAT (10 N)	°C	ASTM D 1525 ISO 306	150	150	150	158	158
VICAT (50 N)	°C	ASTM D 1525 ISO 306	90	90	105	130	130
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR Flame behaviour	-	UL94	-	-	-	-	-



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> ECO MEPLEN IH T20

Polypropylene homopolymer, talc 20%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> ECO MEPLEN IH T30

Polypropylene homopolymer, talc 30%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> ECO MEPLEN IH T40

Polypropylene homopolymer, talc 40%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> ECO MEPLEN IH F30

Polypropylene homopolymer, glass fibre reinforced 30% chemical coupled. Good mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, D: detergent stabilization.

> ECO MEPLEN IH F40

Polypropylene homopolymer, glass fibre reinforced 40% chemical coupled. Good mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, D: detergent stabilization.

◆ Polypropylene

PROPERTY	UNIT	STANDARD	ECO MEPLEN IH F50	ECO MEPLEN IH S30	ECO MEPLEN IC C20	ECO MEPLEN IC C30	ECO MEPLEN IC C40
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,33	1,12	1,05	1,12	1,23
MFI	g/10 min	ASTM D 1238 ISO 1133	9	10	10	10	10
MFI condition	°C/kg	ASTM D 1238 ISO 1133	230/2,16	230/2,16	230/2,16	230/2,16	230/2,16
Shore	-	ASTM D 2240 ISO 868	78	74	70	72	72
Shore condition	A/D	ASTM D 2240 ISO 868	D	D	D	D	D
Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	0,07	-	-	-	-
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
Filler content	%	ASTM D 2584 ISO 3451	50	30	20	30	40
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,1/0,3	0,8/1,0	1,4/1,8	1,2/1,6	1,1/1,5
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	75	25	40	40	35
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	-	-	-	-	-
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	82	20	24	22	19
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	3	50	45	35	25
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	9800	2100	1800	2100	2600
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	9000	1800	1600	1900	2400
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	162	115	100	102	105
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	145	55	56	58	59
VICAT (10 N)	°C	ASTM D 1525 ISO 306	162	148	140	145	148
VICAT (50 N)	°C	ASTM D 1525 ISO 306	142	88	80	85	90
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR Flame behaviour	-	UL94	-	-	-	-	-



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> ECO MEPLEN IH F50

Polypropylene homopolymer, glass fibre reinforced 50% chemical coupled. Good mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, D: detergent stabilization.

> ECO MEPLEN IH S30

Polypropylene homopolymer, glass beads filled 30%. Easy molding. Natural, all colours. H: heat stabilized, L: UV stabilized.

> ECO MEPLEN IC C20

Polypropylene copolymer, calcium carbonate 20%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> ECO MEPLEN IC C30

Polypropylene copolymer, calcium carbonate 30%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> ECO MEPLEN IC C40

Polypropylene copolymer, calcium carbonate 40%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

◆ Polypropylene

PROPERTY	UNIT	STANDARD	ECO MEPLEN IC T20	ECO MEPLEN IC T30	ECO MEPLEN IC T40	ECO MEPLEN IC F30	ECO MEPLEN IC F40
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,04	1,13	1,21	1,12	1,21
MFI	g/10 min	ASTM D 1238 ISO 1133	10	10	10	9	9
MFI condition	°C/kg	ASTM D 1238 ISO 1133	230/2,16	230/2,16	230/2,16	230/2,16	230/2,16
Shore	-	ASTM D 2240 ISO 868	74	75	76	76	76
Shore condition	A/D	ASTM D 2240 ISO 868	D	D	D	D	D
Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	-	-	-	-	-
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
Filler content	%	ASTM D 2584 ISO 3451	20	30	40	30	40
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	1,1/1,5	0,9/1,3	0,7/1,1	0,1/0,4	0,1/0,3
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	40	40	35	85	85
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	-	-	-	-	-
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	28	26	24	70	75
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	40	30	20	10	6
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	2200	2800	3200	5200	6100
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	2000	2600	3000	4200	5200
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	115	120	125	150	152
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	62	67	72	130	135
VICAT (10 N)	°C	ASTM D 1525 ISO 306	145	147	150	142	145
VICAT (50 N)	°C	ASTM D 1525 ISO 306	85	90	95	120	125
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR Flame behaviour	-	UL94	-	-	-	-	-

> ECO MEPLEN IC T20

Polypropylene copolymer, talc 20%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> ECO MEPLEN IC T30

Polypropylene copolymer, talc 30%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> ECO MEPLEN IC T40

Polypropylene copolymer, talc 40%, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> ECO MEPLEN IC F30

Polypropylene copolymer, glass fibre reinforced 30% chemical coupled. Good mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, D: detergent stabilization.

> ECO MEPLEN IC F40

Polypropylene copolymer, glass fibre reinforced 40% chemical coupled. Good mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, D: detergent stabilization.



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◆ Polypropylene

PROPERTY	UNIT	STANDARD	ECO MEPLEN IC F50	ECO MEPLEN IC S30	ECO MEYTEL I6 BK	ECO MEYTEL I6 F20 BK	ECO MEYTEL I6 F30 BK
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,33	1,12	1,13	1,28	1,36
MFI	g/10 min	ASTM D 1238 ISO 1133	9	10	-	-	-
MFI condition	°C/kg	ASTM D 1238 ISO 1133	230/2,16	230/2,16	-	-	-
Shore	-	ASTM D 2240 ISO 868	76	74	-	-	-
Shore condition	A/D	ASTM D 2240 ISO 868	D	D	-	-	-
Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	-	-	1,9	2,3	1,9
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	9	7,2	6,3
Filler content	%	ASTM D 2584 ISO 3451	50	30	-	20	30
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,1/0,3	0,8/1,0	1,3/1,7	0,35	0,2
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	80	35	40/200	60/80	70/80
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	-	-	30	40	50
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	80	19	55	-	-
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	4	-	-
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	95/75	120/90
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	4	60	80/150	5/10	4/8
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	11000	1800	2400/1100	6000/4500	7500/5800
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	8600	1600	2200/1000	4800/3500	6200/5500
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	157	110	150	200	208
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	140	50	50	195	205
VICAT (10 N)	°C	ASTM D 1525 ISO 306	155	143	-	-	-
VICAT (50 N)	°C	ASTM D 1525 ISO 306	135	83	190	205	210
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	220	220	220
FR Flame behaviour	-	UL94	-	-	-	-	-



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> ECO MEPLEN IC F50

Polypropylene copolymer, glass fibre reinforced 50% chemical coupled. Good mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, D: detergent stabilization.

> ECO MEPLEN IC S30

Polypropylene copolymer, glass beads filled 30%. Easy molding. Natural, all colours. H: heat stabilized, L: UV stabilized.

> ECO MEYTEL I6 BK

Polyamide 6 general purpose. Black.

> ECO MEYTEL I6 F20 BK

Polyamide 6 glass fibre reinforced 20%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I6 F30 BK

Polyamide 6 glass fibre reinforced 30%. General purpose, black. H: heat stabilized.

◆ Polyamide

PROPERTY	UNIT	STANDARD	ECO MEYTEL I6 F40 BK	ECO MEYTEL I6 F50 BK	ECO MEYTEL I66 BK	ECO MEYTEL I66 F20 BK	ECO MEYTEL I66 F30 BK
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,46	1,55	1,13	1,28	1,36
MFI	g/10 min	ASTM D 1238 ISO 1133	-	-	-	-	-
MFI condition	°C/kg	ASTM D 1238 ISO 1133	-	-	-	-	-
Shore	-	ASTM D 2240 ISO 868	-	-	-	-	-
Shore condition	A/D	ASTM D 2240 ISO 868	-	-	-	-	-
Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	1,7	1,5	2,5	2,2	2
Water absorption (saturation)	%	ASTM D 570 ISO 62	5,2	4,5	8	6,7	6,1
Filler content	%	ASTM D 2584 ISO 3451	40	50	-	20	30
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,2	0,1	0,8	0,6	0,5
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	110/160	130/180	45/200	55/75	65/75
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	90	110	40	35	45
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	65	-	-
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	4	-	-
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	180/150	210/180	-	105/85	130/100
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	3/6	2/4	40/80	2,9/7	2,5/4
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	10500/7000	15000/12000	2800/1200	6300/4800	7800/6100
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	9000/6200	13000/8500	2700/1100	5000/3800	6500/5800
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	213	215	218	250	250
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	210	212	70	240	245
VICAT (10 N)	°C	ASTM D 1525 ISO 306	-	-	-	-	-
VICAT (50 N)	°C	ASTM D 1525 ISO 306	212	214	235	240	242
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	220	220	260	260	260
FR Flame behaviour	-	UL94	-	-	-	-	-

> ECO MEYTEL I6 F40 BK

Polyamide 6 glass fibre reinforced 40%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I6 F50 BK

Polyamide 6 glass fibre reinforced 50%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I66 BK

Polyamide 66 general purpose. Black.

> ECO MEYTEL I66 F20 BK

Polyamide 66 glass fibre reinforced 20%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I66 F30 BK

Polyamide 66 glass fibre reinforced 30%. General purpose, black. H: heat stabilized.



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♦♦ Polyamide

PROPERTY	UNIT	STANDARD	ECO MEYTEL I66 F40 BK	ECO MEYTEL I66 F50 BK	ECO MEYTEL I18 F15 BK	ECO MEYTEL I18 F20 BK	ECO MEYTEL I18 F30 BK
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,46	1,57	1,25	1,28	1,36
MFI	g/10 min	ASTM D 1238 ISO 1133	-	-	-	-	-
MFI condition	°C/kg	ASTM D 1238 ISO 1133	-	-	-	-	-
Shore	-	ASTM D 2240 ISO 868	-	-	-	-	-
Shore condition	A/D	ASTM D 2240 ISO 868	-	-	-	-	-
Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	1,5	1,2	2,4	2,3	2,1
Water absorption (saturation)	%	ASTM D 570 ISO 62	5	4	7	7	6,5
Filler content	%	ASTM D 2584 ISO 3451	40	50	15	20	30
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,4	0,2	0,5	0,5	0,4
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	75/90	90/120	50/70	55/75	65/75
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	85	100	35	37	48
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	190/160	220/190	95/75	100/80	125/95
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	2/3,5	2	4/8	4/6	3/4
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	10800/7300	15300/12300	5000/4000	6100/4600	7600/5900
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	9300/6500	13300/8800	4000/3000	4900/3600	6300/5600
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	250	250	225	225	225
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	250	255	210	220	225
VICAT (10 N)	°C	ASTM D 1525 ISO 306	-	-	-	-	-
VICAT (50 N)	°C	ASTM D 1525 ISO 306	244	245	215	225	228
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	260	260	260	260	260
FR Flame behaviour	-	UL94	-	-	-	-	-

> ECO MEYTEL I66 F40 BK

Polyamide 66 glass fibre reinforced 40%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I66 F50 BK

Polyamide 66 glass fibre reinforced 50%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I18 F15 BK

Polyamide copolymer glass fibre reinforced 15%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I18 F20 BK

Polyamide copolymer glass fibre reinforced 20%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I18 F30 BK

Polyamide copolymer glass fibre reinforced 30%. General purpose, black. H: heat stabilized.



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◆ Polyamide

◆ Polystyrene

PROPERTY	UNIT	STANDARD	ECO MEYTEL I18 F40 BK	ECO MEYTEL I18 F50 BK	ECO MEPRON IS Z70 BK	ECO MEPRON IS Z90 BK
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,46	1,55	1,05	1,05
MFI	g/10 min	ASTM D 1238 ISO 1133	-	-	7	7
MFI condition	°C/kg	ASTM D 1238 ISO 1133	-	-	200/5	200/5
Shore	-	ASTM D 2240 ISO 868	-	-	75	75
Shore condition	A/D	ASTM D 2240 ISO 868	-	-	D	D
Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	1,6	1,4	-	-
Water absorption (saturation)	%	ASTM D 570 ISO 62	5,1	4,5	-	-
Filler content	%	ASTM D 2584 ISO 3451	40	50	-	-
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,3	1,15	0,3/0,7	0,3/0,7
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	80/100	100/130	70	90
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	87	105	-	-
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	21	25
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	185/155	215/185	-	-
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	2,55	2	20	35
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	10600/7200	15100/12100	1500	2100
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	9100/6300	13100/8600	1700	2300
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	227	230	-	-
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	230	235	78	74
VICAT (10 N)	°C	ASTM D 1525 ISO 306	-	-	-	-
VICAT (50 N)	°C	ASTM D 1525 ISO 306	235	240	85	82
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	260	260	-	-
FR Flame behaviour	-	UL94	-	-	-	-



ECO compounds are made utilizing 30% of recycled polymers at least. These products are certified by IPPR institute and are identified with "Plastica Seconda Vita" brand.



> ECO MEYTEL I18 F40 BK

Polyamide copolymer glass fibre reinforced 40%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I18 F50 BK

Polyamide copolymer glass fibre reinforced 50%. General purpose, black. H: heat stabilized.

> ECO MEPRON IS Z70

Polystyrene standard impact modified for injection moulding. General purpose. Natural, all colour.

> ECO MEPRON IS Z90

Polystyrene standard high impact for injection moulding. General purpose. Natural, all colour.

PROPERTY	UNIT	STANDARD	ECO MEPLAC IS 110 BK	ECO MEPLAC IS 140 BK	ECO MEPLAC IS 200 BK	
PHYSICAL	Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,05	1,04	1,05
	MFI	g/10 min	ASTM D 1238 ISO 1133	10	12	15
	MFI condition	°C/kg	ASTM D 1238 ISO 1133	220/10	220/10	220/10
	Shore	-	ASTM D 2240 ISO 868	75	75	75
	Shore condition	A/D	ASTM D 2240 ISO 868	D	D	D
	Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	-	-	-
	Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-
	Filler content	%	ASTM D 2584 ISO 3451	-	-	-
	Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,5/0,7	0,5/0,7	0,5/0,7
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	120	140	200
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	-	-	100
	Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-
	Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	35	40	45
	Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-
	Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	10	20	30
	Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	2500	2400	2100
	Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	2200	2100	1900
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	-	-	-
	HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	85	84	82
	VICAT (10 N)	°C	ASTM D 1525 ISO 306	100	100	-
	VICAT (50 N)	°C	ASTM D 1525 ISO 306	92	92	90
	Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	-	-	-
FR	Flame behaviour	-	UL94	-	-	

PROPERTY	UNIT	STANDARD	ECO MEBLEND IT 45 BK	ECO MEBLEND IT 65 BK	ECO MEBLEND IT 85 BK	
PHYSICAL	Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,12	1,13	1,14
	MFI	g/10 min	ASTM D 1238 ISO 1133	15	15	15
	MFI condition	°C/kg	ASTM D 1238 ISO 1133	260/5	260/5	260/5
	Shore	-	ASTM D 2240 ISO 868	-	-	-
	Shore condition	A/D	ASTM D 2240 ISO 868	-	-	-
	Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	0,25	0,25	0,25
	Water absorption (saturation)	%	ASTM D 570 ISO 62	0,6	0,6	0,6
	Filler content	%	ASTM D 2584 ISO 3451	-	-	-
	Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,6	0,6	0,6
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	300	450	500
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	200	350	400
	Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	42	46	50
	Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-
	Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-
	Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	30	50	60
	Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	2200	2300	2400
	Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	2200	2300	2400
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	-	-	-
	HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	100	110	115
	VICAT (10 N)	°C	ASTM D 1525 ISO 306	120	130	135
	VICAT (50 N)	°C	ASTM D 1525 ISO 306	114	118	126
	Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	-	-	-
FR	Flame behaviour	-	UL94	-	-	



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> ECO MEBLEND IT 45 BK

PC/ABS blend standard grade. General purpose. Easy moulding and good technical properties. Black.

> ECO MEBLEND IT 65 BK

PC/ABS blend medium impact. General purpose. Easy moulding and good technical properties. Black.

> ECO MEBLEND IT 85 BK

PC/ABS blend high impact. General purpose. Easy moulding and good technical properties. Black.



◆◆ Polypropylene

	PROPERTY	UNIT	STANDARD	MEPLEN EH T10 V2	MEPLEN EH T20 V2	MEPLEN EH T30 V2	MEPLEN EH S30 V2R	MEPLEN EC T10 V2
PHYSICAL	Density (23°C)	g/cm3	ASTM D 792 ISO 1183	0,99	1,05	1,13	1,25	0,98
	MFI	g/10 min	ASTM D 1238 ISO 1133	12	12	12	10	12
	MFI condition	°C/kg	ASTM D 1238 ISO 1133	230/2,16	230/2,16	230/2,16	230/2,16	230/2,16
	Shore	-	ASTM D 2240 ISO 868	75	75	76	75	75
	Shore condition	A/D	ASTM D 2240 ISO 868	D	D	D	D	D
	Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	0,02	0,02	0,02	0,07	0,02
	Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
	Filler content	%	ASTM D 2584 ISO 3451	10	20	30	30	10
	Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,9/1,1	0,9/1,1	0,9/1,1	0,7/0,9	0,9/1,1
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	35	35	30	25	60
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	30	30	25	-	50
	Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	35	35	30	22	25
	Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
	Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
	Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	30	30	20	65	50
	Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
	Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	1500	2400	3000	1800	1400
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	125	130	135	118	118
	HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	64	68	72	58	58
	VICAT (10 N)	°C	ASTM D 1525 ISO 306	150	153	154	151	145
	VICAT (50 N)	°C	ASTM D 1525 ISO 306	96	98	100	91	78
	Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR	Flame behaviour	-	UL94	V2	V2	V2	V2	V2

> MEPLEN EH T10 V2

Polypropylene homopolymer, talc 10%. Very good surface finish, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded V2 rating.

> MEPLEN EH T20 V2

Polypropylene homopolymer, talc 20%. Very good surface finish, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded V2 rating.

> MEPLEN EH T30 V2

Polypropylene homopolymer, talc 30%. Very good surface finish, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded V2 rating.

> MEPLEN EH S30 V2R

Polypropylene homopolymer, glass beads filled 30%. Natural, all colours. H: heat stabilized, L: UV stabilized. Flame retarded ROHS compliant, V2 rating.

> MEPLEN EC T10 V2

Polypropylene copolymer, talc 10%. Very good surface finish, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded V2 rating.

◆ Polypropylene

	PROPERTY	UNIT	STANDARD	MEPLEN EC T20 V2	MEPLEN EC T30 V2	MEPLEN EC S30 V2R	MEPLEN EH T10 V0	MEPLEN EH T20 V0
PHYSICAL	Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,05	1,14	1,25	1,02	1,08
	MFI	g/10 min	ASTM D 1238 ISO 1133	12	12	10	10	10
	MFI condition	°C/kg	ASTM D 1238 ISO 1133	230/2,16	230/2,16	230/2,16	230/2,16	230/2,16
	Shore	-	ASTM D 2240 ISO 868	75	76	75	75	75
	Shore condition	A/D	ASTM D 2240 ISO 868	D	D	D	D	D
	Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	0,02	0,02	0,07	0,02	0,02
	Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
	Filler content	%	ASTM D 2584 ISO 3451	20	30	30	10	20
	Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,9/1,1	0,9/1,1	0,7/0,9	0,7/0,9	0,7/0,9
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	50	50	35	35	35
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	40	40	-	30	30
	Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	25	27	19	35	35
	Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
	Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
	Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	50	30	>50	30	20
	Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
	Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	2300	2900	1500	1500	2400
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	120	130	110	125	130
	HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	60	60	52	64	68
	VICAT (10 N)	°C	ASTM D 1525 ISO 306	148	150	148	150	153
	VICAT (50 N)	°C	ASTM D 1525 ISO 306	80	82	80	96	98
	Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR	Flame behaviour	-	UL94	V2	V2	V2	V0	V0

> MEPLEN EC T20 V2

Polypropylene copolymer, talc 20%. Very good surface finish,easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded V2 rating.

> MEPLEN EC T30 V2

Polypropylene copolymer, talc 30%. Very good surface finish,easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded V2 rating.

> MEPLEN EC S30 V2R

Polypropylene copolymer, glass beads filled 30%. Natural, all colours. H: heat stabilized, L: UV stabilized. Flame retarded ROHS compliant, V2 rating.

> MEPLEN EH T10 V0

Polypropylene homopolymer, talc 10%. Very good surface finish,easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded V0 rating.

> MEPLEN EH T20 V0

Polypropylene homopolymer, talc 20%. Very good surface finish,easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded V0 rating.

◆ Polypropylene

	PROPERTY	UNIT	STANDARD	MEPLEN EH T30 VO	MEPLEN EH M05 VOF	MEPLEN EC T10 VO	MEPLEN EC T20 VO	MEPLEN EC T30 VO
PHYSICAL	Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,17	1,06	1,02	1,08	1,18
	MFI	g/10 min	ASTM D 1238 ISO 1133	10	5	10	10	10
	MFI condition	°C/kg	ASTM D 1238 ISO 1133	230/2,16	230/2,16	230/2,16	230/2,16	230/2,16
	Shore	-	ASTM D 2240 ISO 868	76	75	75	75	76
	Shore condition	A/D	ASTM D 2240 ISO 868	D	D	D	D	D
	Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	0,02	0,02	0,02	0,02	0,02
	Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
	Filler content	%	ASTM D 2584 ISO 3451	30	10	10	20	30
	Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,7/0,9	0,7/0,9	0,7/0,9	0,7/0,9	0,7/0,9
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	30	35	55	45	45
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	25	25	45	35	35
	Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	30	25	23	23	24
	Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
	Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
	Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	20	20	40	40	25
	Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
	Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	3000	2200	1300	2200	2700
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	135	125	118	120	130
	HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	72	70	58	60	60
	VICAT (10 N)	°C	ASTM D 1525 ISO 306	154	150	145	148	150
	VICAT (50 N)	°C	ASTM D 1525 ISO 306	100	95	78	80	82
	Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR	Flame behaviour	-	UL94	VO	VO	VO	VO	VO

> MEPLEN EH T30 VO

Polypropylene homopolymer, talc 30%. Very good surface finish,easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded VO rating.

> MEPLEN EH M05 VOF

Polypropylene Homopolymer, Very good surface finish,easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded Halogen free VO rating (VO at 0,5 mm).

> MEPLEN EC T10 VO

Polypropylene copolymer, talc 10%. Very good surface finish,easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded VO rating.

> MEPLEN EC T20 VO

Polypropylene copolymer, talc 20%. Very good surface finish,easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded VO rating.

> MEPLEN EC T30 VO

Polypropylene copolymer, talc 30%. Very good surface finish,easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic. Flame retarded VO rating.

◆◆ Polypropylene

◆◆ Polyamide

PROPERTY	UNIT	STANDARD	MEPLEN EC M05 V0F	MEYTEL E6 V0F	MEYTEL E6 F30 V0F	MEYTEL E6 K30 BK	MEYTEL E6 YC
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,06	1,18	1,4	1,27	1,05
MFI	g/10 min	ASTM D 1238 ISO 1133	10	-	-	-	-
MFI condition	°C/kg	ASTM D 1238 ISO 1133	230/2,16	-	-	-	-
Shore	-	ASTM D 2240 ISO 868	75	-	-	-	-
Shore condition	A/D	ASTM D 2240 ISO 868	D	-	-	-	-
Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	0,02	1,9	1,9	1,9	1,5
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	9	6	6	6
Filler content	%	ASTM D 2584 ISO 3451	10	-	30	30	-
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,7/0,9	0,8/1	0,3/0,4	0,1	1,3
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	55	50/85	55/85	60/90	800/1000
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	45	40	45	-	300
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	23	-	-	-	50/43
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	70/45	110/75	320/220	-
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	40	5/20	2,5/4	2	60/>100
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	3400/1300	10500/6200	22000	2200/900
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	1800	3100/1100	9500/6000	17000	1400/1000
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	118	195	210	-	82
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	58	70	195	-	48
VICAT (10 N)	°C	ASTM D 1525 ISO 306	145	-	205	-	-
VICAT (50 N)	°C	ASTM D 1525 ISO 306	78	200	215	-	-
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	220	220	220	220
FR Flame behaviour	-	UL94	V0	V0	V0	-	-

> MEPLEN EC M05 V0F

Polypropylene copolymer, Very good surface finish, easy molding. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic. Flame retarded Halogen free V0 rating.

> MEYTEL E6 V0F

Polyamide 6 flame retarded V0 halogen free. Low density and low smoke emission. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEYTEL E6 F30 V0F

Polyamide 6 30% glass fibres reinforced. Flame retarded V0 halogen free. Low density and low smoke emission. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEYTEL E6 K30 BK

Polyamide 6 30% carbon fibres reinforced. H: heat stabilized, L: UV stabilized. Very high stiffness. Black.

> MEYTEL E6 YC

Polyamide 6 very high impact modified. High impact resistance at low temperature. Natural, all colours. H: heat stabilized, L: UV stabilized.

◆◆ Polyamide

PROPERTY	UNIT	STANDARD	MEYTEL E66 VOF	MEYTEL E66 F30 VOF	MEYTEL E66 K30 BK	MEYTEL E66 YC	
PHYSICAL	Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,17	1,35	1,27	1,05
	MFI	g/10 min	ASTM D 1238 ISO 1133	-	-	-	-
	MFI condition	°C/kg	ASTM D 1238 ISO 1133	-	-	-	-
	Shore	-	ASTM D 2240 ISO 868	-	-	-	-
	Shore condition	A/D	ASTM D 2240 ISO 868	-	-	-	-
	Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	1,9	1,6	1,6	1,5
	Water absorption (saturation)	%	ASTM D 570 ISO 62	9	5/5,5	5/5,5	6
	Filler content	%	ASTM D 2584 ISO 3451	-	30	30	-
	Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	1,5	0,2	0,05/0,2	0,9
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	30/65	130/180	95/120	800/1000
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	25	-	60	300
	Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	62/50	-	-	50/43
	Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-
	Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	200/160	330/240	-
	Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	3/18	2/5	1	60/>100
	Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	3500/1400	8000/6200	23000	1900/900
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	225	-	-	130
	HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	86	240	-	60
	VICAT (10 N)	°C	ASTM D 1525 ISO 306	234	-	-	-
	VICAT (50 N)	°C	ASTM D 1525 ISO 306	247	245	-	200
	Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	260	260	260	260
FR	Flame behaviour	-	UL94	-	-	-	-

> MEYTEL E66 VOF

Polyamide 66 flame retarded V0 halogen free. Low density and low smoke emission. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEYTEL E66 F30 VOF

Polyamide 66 30% glass fibres reinforced. Flame retarded V0 halogen free. Low density and low smoke emission. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEYTEL E66 K30 BK

Polyamide 66 30% carbon fibres reinforced. H: heat stabilized, L: UV stabilized. Very high stiffness. Black.

> MEYTEL E66 YC

Polyamide 66 very high impact modified. High impact resistance at low temperature. Natural, all colours. H: heat stabilized, L: UV stabilized.

	PROPERTY	UNIT	STANDARD	MEYLOY 6H 31	MEYLOY 6H 31 F30	MEYLOY 66H 31	MEYLOY 66H 31 F30	MEYLOY 05 YC
PHYSICAL	Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,1	1,27	1,1	1,29	1,07
	MFI	g/10 min	ASTM D 1238 ISO 1133	-	-	-	-	-
	MFI condition	°C/kg	ASTM D 1238 ISO 1133	-	-	-	-	-
	Shore	-	ASTM D 2240 ISO 868	77	-	77	-	-
	Shore condition	A/D	ASTM D 2240 ISO 868	D	-	D	-	-
	Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	0,8	0,3	0,8	0,3	-
	Water absorption (saturation)	%	ASTM D 570 ISO 62	1,8	< 1	2,9	<1	0,4
	Filler content	%	ASTM D 2584 ISO 3451	-	30	-	30	-
	Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	-	0,5	-	0,5	0,8
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	200	80/110	170	150/200	500/600
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	-	-	-	-	100/120
	Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	35	-	51	-	45/35
	Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
	Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	140/120	-	180/140	-
	Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	>100	4	>100	4	4
	Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	9100/6500	-	9500/8800	2000/1500
	Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	1300	6600/4800	2100	7500/6000	2200/1800
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	-	193	160	245	80
	HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	45	162	80	225	60
	VICAT (10 N)	°C	ASTM D 1525 ISO 306	204	169	225	-	-
	VICAT (50 N)	°C	ASTM D 1525 ISO 306	97	210	165	215	100
	Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	220	260	260	260	220
FR	Flame behaviour	-	UL94	-	-	-	-	-

> MEYLOY 6H 31

PA/PP alloy. Low water absorption. Good mechanical performances. Natural, all colour.

> MEYLOY 6H 31 F30

PA/PP alloy 30% glass fibres. Low water absorption. Good mechanical performances. Natural, all colour.

> MEYLOY 66H 31

PA/PP alloy. Low water absorption. Good mechanical performances. Natural, all colour.

> MEYLOY 66H 31 F30

PA/PP alloy 30% glass fibres. Low water absorption. Good mechanical performances. Natural, all colour.

> MEYLOY 05 YC

PA/ABS alloy. High impact. High chemical resistance, paintability, dimensional stability. Low water absorption. Good mechanical performances. Natural, all colour.