

Distribution

◆ Polypropylene

	PROPERTY	UNIT	STANDARD	MEPLEN EH C30	MEPLEN EH C40	MEPLEN EH C50	MEPLEN EH T20	MEPLEN EH T30
PHYSICAL	Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,13	1,24	1,35	1,04	1,13
	MFI	g/10 min	ASTM D 1238 ISO 1133	10	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	75	75	76	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	40	50	20	30
	Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,9/1,1	0,9/1,1	0,9/1,1	0,9/1,1	0,9/1,1
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	30	30	25	35	30
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	20	20	15	30	25
	Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	25	22	18	35	30
	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	45	40	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	2200	2800	3200	2400	3000
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	116	118	120	130	135
	HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	62	63	64	68	72
	VICAT (10 N)	°C	ASTM D 1525 ISO 306	150	151	152	153	154
	VICAT (50 N)	°C	ASTM D 1525 ISO 306	92	97	105	98	100
	Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR	Flame behaviour	-	UL94	-	-	-	-	-

> MEPLEN EH C30

Polypropylene homopolymer, calcium carbonate 30%. Very good surface finish, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> MEPLEN EH C40

Polypropylene homopolymer, calcium carbonate 40%. Very good surface finish, easy molding. Natural, all colours. H: heat stabilize, L: UV stabilized, AS: antistatic.

> MEPLEN EH C50

Polypropylene homopolymer, calcium carbonate 50%. Very good surface finish, easy molding. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

> MEPLEN EH T20

Polypropylene homopolymer with talcum 20%. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

> MEPLEN EH T30

Polypropylene homopolymer with talcum 30%. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

◆ Polypropylene

PROPERTY	UNIT	STANDARD	MEPLEN EH T40	MEPLEN EH F20	MEPLEN EH F30	MEPLEN EH F40	MEPLEN EH F50
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,23	1,04	1,12	1,23	1,33
MFI	g/10 min	ASTM D 1238 ISO 1133	10	5	5	5	5
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	80	80	80	80
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	0,07	0,07	0,07	0,07
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
Filler content	%	ASTM D 2584 ISO 3451	40	20	30	40	50
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,9/1,1	0,3/0,6	0,2/0,4	0,2/0,4	0,1/0,3
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	25	70	100	100	105
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	20	55	80	80	85
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	28	70	80	85	95
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	5	5	4	3
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	3600	4000	5500	7000	8000
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	138	155	160	162	165
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	77	137	145	147	150
VICAT (10 N)	°C	ASTM D 1525 ISO 306	155	160	160	162	165
VICAT (50 N)	°C	ASTM D 1525 ISO 306	102	132	135	140	144
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR Flame behaviour	-	UL94	-	-	-	-	-

> MEPLEN EH T40

Polypropylene homopolymer with talcum 40%. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, D: AS: antistatic.

> MEPLEN EH F20

Polypropylene homopolymer, glass fibre reinforced 20% chemical coupled. Good mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, D: detergent stabilization.

> MEPLEN EH F30

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

> MEPLEN EH F40

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

> MEPLEN EH F50

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

◆ Polypropylene

PROPERTY	UNIT	STANDARD	MEPLEN EH S30	MEPLEN EH S40	MEPLEN EH S50	MEPLEN EH SF 30	MEPLEN EH TF 30
Density (23°C)	g/cm ³	ASTM D 792 ISO 1183	1,12	1,23	1,35	1,12	1,12
MFI	g/10 min	ASTM D 1238 ISO 1133	10	10	10	5	8
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	73	74
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	0,07	0,07	-	-
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
Filler content	%	ASTM D 2584 ISO 3451	30	40	50	30	-
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,7/0,9	0,6/0,8	0,6/0,8	0,7/0,9	0,8/1,0
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	30	25	20	85	48
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	20	15	15	-	-
Tensile yield strenght - dry/cond	N/mm ²	ASTM D 638 ISO 527-2	25	20	18	65	55
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
Tensile break strenght - dry/cond	N/mm ²	ASTM D 638 ISO 527-2	-	-	-	-	-
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	80	70	50	4	4
Tensile modulus - dry/cond	N/mm ²	ASTM D 638 ISO 527-2	1800	2000	-	-	-
Flexural modulus - dry/cond	N/mm ²	ASTM D 790 ISO 178	2000	2200	2800	3500	3900
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	118	120	125	155	-
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	58	60	66	128	-
VICAT (10 N)	°C	ASTM D 1525 ISO 306	151	154	155	160	162
VICAT (50 N)	°C	ASTM D 1525 ISO 306	91	96	102	115	120
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR Flame behaviour	-	UL94	-	-	-	-	-

> MEPLEN EH S30

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

> MEPLEN EH S40

Polypropylene homopolymer, glass beads filled 40%. Easy molding, very good surface finish. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEPLEN EH S50

Polypropylene homopolymer, glass beads filled 50%. Easy molding, very good surface finish. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEPLEN EH SF 30

Polypropylene homopolymer, fibre glass/glass beads reinforced 30% chemical coupled. Easy molding, good surface finish and mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEPLEN EH TF 30

Polypropylene homopolymer, fibre glass/talcum reinforced 30% chemical coupled. Easy molding, good surface finish and mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized.

◆ Polypropylene

PROPERTY	UNIT	STANDARD	MEPLEN EC T20	MEPLEN EC T30	MEPLEN EC T40	MEPLEN EC B25	MEPLEN EC B40
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,04	1,13	1,23	1,15	1,36
MFI	g/10 min	ASTM D 1238 ISO 1133	10	10	10	12	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	68	69	70	70	70
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	0,05	0,02
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
Filler content	%	ASTM D 2584 ISO 3451	20	30	40	25	40
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,9/1,1	0,9/1,1	0,9/1,1	0,9/1,1	0,9/1,1
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	50	50	45	40	38
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	40	40	35	30	25
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	25	27	30	20	22
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	25	40	30
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	2000	2400	2800	1400	1700
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	120	130	135	-	-
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	60	60	60	55	-
VICAT (10 N)	°C	ASTM D 1525 ISO 306	148	150	152	-	-
VICAT (50 N)	°C	ASTM D 1525 ISO 306	80	82	85	80	90
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR Flame behaviour	-	UL94	-	-	-	-	-

> MEPLEN EC T20

Polypropylene copolymer with talcum 20%. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

> MEPLEN EC T30

Polypropylene copolymer with talcum 30%. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

> MEPLEN EC T40

Polypropylene copolymer with talcum 40%. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

> MEPLEN EC B25

Polypropylene copolymer with BaSO4 25%. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

> MEPLEN EC B40

Polypropylene copolymer with BaSO4 40%. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

◆ Polypropylene

PROPERTY	UNIT	STANDARD	MEPLEN EC F20	MEPLEN EC F30	MEPLEN EC F40	MEPLEN EC F50	MEPLEN EC S30
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,04	1,12	1,21	1,33	1,12
MFI	g/10 min	ASTM D 1238 ISO 1133	5	5	5	5	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	70	72	73	73	67
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	0,07	0,07	0,07	0,07
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
Filler content	%	ASTM D 2584 ISO 3451	20	30	40	50	30
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,3/0,6	0,2/0,4	0,2/0,4	0,1/0,3	0,7/0,9
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	120	130	140	145	35
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	95	105	110	120	25
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	62	70	75	85	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	10	10	8		>50
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	-	-
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	3300	4500	5700	9800	1500
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	150	155	157	157	110
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	132	140	142	142	50
VICAT (10 N)	°C	ASTM D 1525 ISO 306	154	155	156	156	148
VICAT (50 N)	°C	ASTM D 1525 ISO 306	115	120	125	125	80
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR Flame behaviour	-	UL94	-	-	-	-	-

> MEPLEN EC F20

Polypropylene copolymer, glass fibre reinforced 20% chemical coupled. Good mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, D: detergent stabilization.

> MEPLEN EC F30

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

> MEPLEN EC F40

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

> MEPLEN EC F50

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

> MEPLEN EC S30

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

◆ Polypropylene

PROPERTY	UNIT	STANDARD	MEPLEN EC S40	MEPLEN EC S50	MEPLEN EH HTP20	MEPLEN EH HTP30	MEPLEN EH HTP40
Density (23°C)	g/cm ³	ASTM D 792 ISO 1183	1,22	1,35	1,04	1,13	1,24
MFI	g/10 min	ASTM D 1238 ISO 1133	10	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	68	70	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	0,07	0,07	0,02	0,02	0,02
Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-	-	-
Filler content	%	ASTM D 2584 ISO 3451	40	50	20	30	40
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,6/0,8	0,6/0,8	0,9/1,1	0,8/1,0	0,7/0,9
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	35	30	35	32	27
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	25	20	28	25	20
Tensile yield strenght - dry/cond	N/mm ²	ASTM D 638 ISO 527-2	17	15	32	34	37
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
Tensile break strenght - dry/cond	N/mm ²	ASTM D 638 ISO 527-2	-	-	-	-	-
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	>50	>50	20	18	15
Tensile modulus - dry/cond	N/mm ²	ASTM D 638 ISO 527-2	-	-	-	-	-
Flexural modulus - dry/cond	N/mm ²	ASTM D 790 ISO 178	1800	2300	3800	5200	6000
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	115	120	-	-	-
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	54	58	76	80	90
VICAT (10 N)	°C	ASTM D 1525 ISO 306	149	150	-	-	-
VICAT (50 N)	°C	ASTM D 1525 ISO 306	88	95	108	110	113
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	165	165	165	165	165
FR Flame behaviour	-	UL94	-	-	-	-	-

> MEPLEN EC S40

Polypropylene copolymer, glass beads filled 40%. Easy molding, very good surface finish. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEPLEN EC S50

Polypropylene copolymer, glass beads filled 50%. Easy molding, very good surface finish. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEPLEN EH HTP20

Polypropylene homopolymer with talcum 20% high performances. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

> MEPLEN EH HTP30

Polypropylene homopolymer with talcum 30% high performances. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

> MEPLEN EH HTP40

Polypropylene homopolymer with talcum 40% high performances. Easy molding, good surface finish and technical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

PROPERTY	UNIT	STANDARD	MEYTEL E6	MEYTEL E6 F30	MEYTEL E6 F40	MEYTEL E6 F50	MEYTEL E66
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,14	1,36	1,46	1,55	1,14
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	1,9	1,7	1,5	2,5
Water absorption (saturation)	%	ASTM D 570 ISO 62	9	6,3/6,9	5,4	4,5/5,1	9
Filler content	%	ASTM D 2584 ISO 3451	-	30	40	50	-
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,8/1	0,4	0,1	0,1	0,9
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	60/300	120/180	170/220	190/230	55/250
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	50	120	145	160	60
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	80/45	-	-	-	85/50
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	4,5	-	-	-	5
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	175/115	200/130	220/160	-
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	100/200	3,8/8,5	2,7/4,5	2,6/3,5	60/120
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	3000/1100	9500/6200	12500/8700	16000/11000	3200/1200
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	2800/1000	8600/5000	11000/7900	15000/9000	3100/1100
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	160	210	215	-	220
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	60	210	215	218	75
VICAT (10 N)	°C	ASTM D 1525 ISO 306	-	-	-	-	-
VICAT (50 N)	°C	ASTM D 1525 ISO 306	200	213	216	218	240
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	220	220	220	220	264
FR Flame behaviour	-	UL94	-	-	-	-	-

> MEYTEL E6

Polyamide 6 normal viscosity, nucleated, lubricated, general purpose. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEYTEL E6 F30

Polyamide 6 30% glass fibres reinforced. Normal viscosity, nucleated, lubricated, general purpose. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEYTEL E6 F40

Polyamide 6 40% glass fibres reinforced. Normal viscosity, nucleated, lubricated, general purpose. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEYTEL E6 F50

Polyamide 6 50% glass fibres reinforced. Normal viscosity, nucleated, lubricated, general purpose. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEYTEL E66

Polyamide 66 normal viscosity, nucleated, lubricated, general purpose. Natural, all colours. H: heat stabilized, L: UV stabilized.

PROPERTY	UNIT	STANDARD	MEYTEL E66 F30	MEYTEL E66 F40	MEYTEL E66 F50	MEPLAC ES 200	MEPLAC ES F17
Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,36	1,46	1,56	1,04	1,18
MFI	g/10 min	ASTM D 1238 ISO 1133	-	-	-	23	8
MFI condition	°C/kg	ASTM D 1238 ISO 1133	-	-	-	220/10	220/10
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	2	1,5	1,2	0,3	0,2
Water absorption (saturation)	%	ASTM D 570 ISO 62	5,8	4,8	3	-	-
Filler content	%	ASTM D 2584 ISO 3451	30	40	50	-	17
Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,25/1,1	0,1/0,4	0,1/0,3	0,4/0,6	0,2/0,3
Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	115/155	140/200	150/210	170	65
Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	90	120	130	100	40
Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-	45	-
Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-	-
Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	190/130	210/180	235/190	-	75
Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	2,9 / 5	2,4 / 3,5	2,2/3	20	2
Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	10000/7200	14000/10000	16500/11500	-	5600
Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	8600/7000	12000/9500	15500/10000	2350	5200
HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	-	-	-	-	-
HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	245	250	255	96	-
VICAT (10 N)	°C	ASTM D 1525 ISO 306	-	-	-	99	110
VICAT (50 N)	°C	ASTM D 1525 ISO 306	245	250	255	96	103
Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	264	264	264	-	-
FR Flame behaviour	-	UL94	-	-	-	-	-

> MEYTEL E66 F30

Polyamide 66 30% glass fibres reinforced. Normal viscosity, nucleated, lubricated, general purpose. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEYTEL E66 F40

Polyamide 66 40% glass fibres reinforced. Normal viscosity, nucleated, lubricated, general purpose. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEYTEL E66 F50

Polyamide 66 50% glass fibres reinforced. Normal viscosity, nucleated, lubricated, general purpose. Natural, all colours. H: heat stabilized, L: UV stabilized.

> MEPLAC ES 200

ABS injection moulding grade. High flow, high impact, good gloss. Natural, all colours.

> MEPLAC ES F17

ABS injection moulding grade 17% glass fibres reinforced. Natural, all colours.

PROPERTY	UNIT	STANDARD	MEBLEND ES 45	MEBLEND ES 65	MEBLEND ES 85	MEBLEND ES 85 V0R	
PHYSICAL	Density (23°C)	g/cm ³	ASTM D 792 ISO 1183	1,12	1,13	1,14	1,23
	MFI	g/10 min	ASTM D 1238 ISO 1133	15	15	15	15
	MFI condition	°C/kg	ASTM D 1238 ISO 1133	260/5	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	0,6
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	450	500	550	500
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	350	400	450	-
	Tensile yield strenght - dry/cond	N/mm ²	ASTM D 638 ISO 527-2	45	50	55	-
	Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	-	-	-	-
	Tensile break strenght - dry/cond	N/mm ²	ASTM D 638 ISO 527-2	-	-	-	-
	Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	40	50	55	-
	Tensile modulus - dry/cond	N/mm ²	ASTM D 638 ISO 527-2	2200	2300	2300	2300
	Flexural modulus - dry/cond	N/mm ²	ASTM D 790 ISO 178	2200	2300	2300	2300
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	135
	VICAT (50 N)	°C	ASTM D 1525 ISO 306	114	122	130	-
	Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	-	-	-	-
FR	Flame behaviour	-	UL94	-	-	-	V0

> MEBLEND ES 45

PC/ABS blend standard grade. General purpose. Easy moulding and good technical properties. Natural, all colours.

> MEBLEND ES 65

PC/ABS blend medium impact. General purpose. Easy moulding and good technical properties. Natural, all colours.

> MEBLEND ES 85

PC/ABS blend high impact. General purpose. Easy moulding and good technical properties. Natural, all colours.

> MEBLEND ES 85 V0R

PC/ABS blend high impact resistance for electrical applications. Flame retarded V0 rated. Glow Wire Test = 960 °C. Good thermal properties (Ball pressure test = 125 °C). All colours.