

 **Compound**

PROPERTY	UNIT	STANDARD	E6	E6 F30	E6 F40	E6 F50
Density (23°C)	g/cm ³	ISO 1183	1,14	1,36	1,46	1,55
MFI	g/10 min	ISO 1133	-	-	-	-
MFI condition	°C/kg	ISO 1133	-	-	-	-
Shore	-	ISO 868	-	-	-	-
Shore condition	A/D	ISO 868	-	-	-	-
Water absorption (24h/23°C)	%	ISO 62	1,9	1,9	1,7	1,5
Water absorption (saturation)	%	ISO 62	9	6,3/6,9	5,4	4,5/5,1
Filler content	%	ISO 3451	-	30	40	50
Mould Shrinkage (parallel)	%	ISO 294-4	0,8/1	0,4	0,1	0,1
Izod impact (notch / 23°C) - dry/cond	KJ/m ²	ISO 180/1A	6/30	13/18	14/19	15/20
Izod impact (notch / 0°C) - dry/cond	KJ/m ²	ISO 180/1A	5	12	14,5	16
Tensile yield strenght - dry/cond	N/mm ²	ISO 527-2	80/45	-	-	-
Tensile yield strain - dry/cond	%	ISO 527-2	4,5	-	-	-
Tensile break strenght - dry/cond	N/mm ²	ISO 527-2	-	175/115	200/130	220/160
Elongation at break - dry/cond	%	ISO 527-2	100/200	3,8/8,5	2,7/4,5	2,6/3,5
Tensile modulus - dry/cond	N/mm ²	ISO 527-2	3000/1100	9300/6200	12500/8700	16000/11000
Flexural modulus - dry/cond	N/mm ²	ISO 178	2800/1000	8500/5000	11000/7900	15000/9000
HDT (0,455 Mpa)	°C	ISO 75-2	160	210	215	-
HDT (1820 Mpa)	°C	ISO 75-2	60	210	215	218
VICAT (10 N)	°C	ISO 306	-	-	-	-
VICAT (50 N)	°C	ISO 306	200	213	216	218
Melting temperature (DSC)	°C	ISO 11357	220	220	220	220

> 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	E66	E66 F30	E66 F40	E66 F50
Density (23°C)	g/cm ³	ISO 1183	1,14	1,36	1,46	1,56
MFI	g/10 min	ISO 1133	-	-	-	-
MFI condition	°C/kg	ISO 1133	-	-	-	-
Shore	-	ISO 868	-	-	-	-
Shore condition	A/D	ISO 868	-	-	-	-
Water absorption (24h/23°C)	%	ISO 62	2,5	2	1,5	1,2
Water absorption (saturation)	%	ISO 62	9	5,8	4,8	3
Filler content	%	ISO 3451	-	30	40	50
Mould Shrinkage (parallel)	%	ISO 294-4	0,9	0,25/1,1	0,1/0,4	0,1/0,3
Izod impact (notch / 23°C) - dry/cond	KJ/m ²	ISO 180/1A	5/25	11/15	12/18	13/19
Izod impact (notch / 0°C) - dry/cond	KJ/m ²	ISO 180/1A	6	9	12	13
Tensile yield strenght - dry/cond	N/mm ²	ISO 527-2	85/50	-	-	-
Tensile yield strain - dry/cond	%	ISO 527-2	5	-	-	-
Tensile break strenght - dry/cond	N/mm ²	ISO 527-2	-	190/130	210/180	235/190
Elongation at break - dry/cond	%	ISO 527-2	60/120	2,9 / 5	2,4 / 3,5	2,2/3
Tensile modulus - dry/cond	N/mm ²	ISO 527-2	3200/1200	10000/7200	14000/10000	16000/11000
Flexural modulus - dry/cond	N/mm ²	ISO 178	2800/1000	8600/7000	12000/9500	14000/10000
HDT (0,455 Mpa)	°C	ISO 75-2	220	-	-	-
HDT (1820 Mpa)	°C	ISO 75-2	75	245	250	255
VICAT (10 N)	°C	ISO 306	-	-	-	-
VICAT (50 N)	°C	ISO 306	240	245	250	255
Melting temperature (DSC)	°C	ISO 11357	264	264	264	264

> 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.