

MEYTEL E6 F50

POLYAMIDE

Polyamide 6 50% glass fibres reinforced.

Normal viscosity, nucleated, lubricated, general purpose.

Available:

Natural, all colours. H: heat stabilized, L: UV stabilized

	PROPERTY	UNIT	STANDARD		VALUE
PHYSICAL	Density (23°C)	g/cm ³	ASTM D 792	ISO 1183	1,55
	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
	Water absorption (saturation)	%	ASTM D 570	ISO 62	4,5/5,1
	Filler content	%	ASTM D 2584	ISO 3451	50
	Mould Shrinkage (parallel)	%	ASTM D 955	ISO 294-4	0,1
	MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256	ISO 180/1A
Izod impact (notch / 0°C) - dry/cond		J/m	ASTM D 256	ISO 180/1A	160
Tensile yield strenght - dry/cond		N/mm ²	ASTM D 638	ISO 527-2	-
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	220/160
Elongation at break - dry/cond		%	ASTM D 638	ISO 527-2	2,6/3,5
Tensile modulus - dry/cond		N/mm ²	ASTM D 638	ISO 527-2	16000/11000
Flexural modulus - dry/cond		N/mm ²	ASTM D 790	ISO 178	15000/9000
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648	ISO 75-2	-
	HDT (1820 Mpa)	°C	ASTM D 648	ISO 75-2	218
	VICAT (10 N)	°C	ASTM D 1525	ISO 306	-
	VICAT (50 N)	°C	ASTM D 1525	ISO 306	218
	Melting temperature (DSC)	°C	ASTM D 3418	ISO 3146	220
FR	Flame behaviour	-	UL94		-

The above values are provided for general information only. The data contained in this document is based on trials carried out by our laboratory. It shall, however, in no event be held to constitute or imply any warranty, undertaking express or implied commitment from our part.