

GRIMID B FR0

Polyamide 6 medium viscosity, UL 94 V0, good flow and mechanical properties.

Properties	Test Method	Unit	Typical Value
Physical			
MFI	ISO 292	g/10'	0
Density (23°C)	ISO 1183	g/cm ³	1,21-1,23
Water Absorption (24h/23°C)	ISO 62	%	1,4-1,8
Water Absorption at Saturation	ISO 62	%	9
Mould Shrinkage (Parallel)	ASTM D-955	%	1,0-1,5
Mould Shrinkage (Normal)	ASTM D-955	%	1,0-1,5
Mechanical			
Izod Notched Impact (+23 °C)	ISO 180	J/m	35
Izod Notched Impact Strength(-20 °C)	ISO 180	J/m	20
Charpy Notched Impact (+23 °C)	ISO 179	kJ/m ²	2,8
Charpy Unnotched Impact (+23 °C)	ISO 179	kJ/m ²	32
Charpy Unnotched Impact (-20 °C)	ISO 179	kJ/m ²	0
Tensile Modulus	ASTM D-638	N/mm ²	3200
Elongation at Break	ASTM D-638	%	6
Tensile Break Strength	ASTM D-638	N/mm ²	66
Tensile Yield Strength	ASTM D-638	N/mm ²	82
Thermal			
Vicat Temperature (1kg)	ASTM D-1525	°C	200
Vicat Temperature (5kg)	ASTM D-1525	°C	195
Heat Deflection Temperature (0,45 N/mm ²)	ASTM D-648	°C	0
Heat Deflection Temperature (1,82 N/mm ²)	ASTM D-648	°C	72
Continuous Service Temperature (20.000 h)	60216/P1 IEC	°C	70(100h)
Electrical			
Volume Resistivity	ASTM D-257	Ohm cm	10EXP(15)
Tracking Resistance (CTI-Method A)	60112 IEC	Volt	500
Electric Strength (Thickness)	ASTM D-149	kV/mm	20
Flammability			
Flammability Rating	UL 94	-	V0 (0,97 mm)
Glow Wire Test	60695-2-1 IEC	°C	960°@2 mm

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