HILUB B 0454

PA6 MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**105**	g/10min	ISO 1133
Temperature	**275**	°C	-
Load	**5**	kg	-
Molding shrinkage, parallel	**1.2**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.6**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**3050**	MPa	ISO 527
Yield stress	**75**	MPa	ISO 527
Strain at break	**15**	%	ISO 527
Flexural modulus, 23°C	**2800**	MPa	ISO 178
Flexural strength	**95**	MPa	ISO 178
Izod impact strength, +23°C	**N**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**5.5**	kJ/m²	ISO 180/1A
Rockwell hardness	**R 110**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**220**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**60**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**170**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**90**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**95**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	**100**	mm/min	ISO 3795 (FMVSS 302)

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1E12**	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	**1140**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 20**	h	-
Processing humidity	**≤0.13**	%	-
Melt temperature	**250 - 270**	°C	-
Mold temperature	**60 - 80**	°C	-

Characteristics

Processing
Injection Molding

Additives
Lubricants

Regional Availability
Europe