

HILUB X 0451

PA*

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	80	MPa	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	3100	MPa	ISO 178
Flexural strength	120	MPa	ISO 178
Izod notched impact strength, +23°C	3.5	kJ/m ²	ISO 180/1A
Rockwell hardness	R 129	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	242	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	80	°C	ISO 11357-1/-2
Temp. of deflection under load, 0.45 MPa	225	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	55	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	60	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)
Glow Wire Flammability Index (GWFI)	750	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.12	%	-
Melt temperature	260 - 280	°C	-
Mold temperature	20 - 30	°C	-

Characteristics**Processing**

Injection Molding

Features

Tribologic Grade

Additives

Lubricants

Regional Availability

Europe