XILOY 05 32 GW

(PA*+ABS) MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**60**	g/10min	ISO 1133
Temperature	**240**	°C	-
Load	**10**	kg	-
Molding shrinkage, parallel	**0.8**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.9**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2050**	MPa	ISO 527
Yield stress	**43**	MPa	ISO 527
Stress at break	**38**	MPa	ISO 527
Strain at break	**70**	%	ISO 527
Flexural modulus, 23°C	**1880**	MPa	ISO 178
Flexural strength	**55**	MPa	ISO 178
Charpy notched impact strength, +23°C	**70**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**65**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**65**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**85**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**80**	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)
Glow Wire Flammability Index (GWFI)	**750**	°C	IEC 60695-2-12
GWFI - thickness tested (1)	**1.6**	mm	-
Glow Wire Flammability Index (GWFI)	**750**	°C	IEC 60695-2-12
GWFI - thickness tested (2)	**3.2**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	**1E14**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1070**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 10**	h	-
Processing humidity	**≤0.12**	%	-
Melt temperature	**240 - 260**	°C	-
Mold temperature	**40 - 80**	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Special Characteristics

High impact or impact modified