

XILOY 04 45100

(PC+ABS)

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	16	g/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	52	MPa	ISO 527
Stress at break	45	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	45	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	100	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	121	°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	85	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			
Surface resistivity	1E16	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1130	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 110	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.04	%	-
Melt temperature	250 - 270	°C	-
Mold temperature	70 - 90	°C	-

Characteristics

Processing
Injection Molding

Regional Availability
Europe