ISOBLEND® A85

(PC+ABS) Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**15**	g/10min	ISO 1133
Temperature	**260**	°C	-
Load	**5**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	**55**	MPa	ISO 527
Strain at break	**>50**	%	ISO 527
Flexural modulus, 23°C	**2500**	MPa	ISO 178
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**55**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**55**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**105**	°C	ISO 75-1/-2
Vicat softening temperature, B	**129**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.2**	mm	-

Other properties	Value	Unit	Test Standard
Density	**1160**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**90 - 100**	°C	-
Pre-drying - Time	**3**	h	-
Melt temperature	**270**	°C	-
Mold temperature	**90**	°C	-

Characteristics

Processing

Injection Molding

Applications

Electrical and Electronical, General Purpose

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America

Certifications

RoHS compliant