ISOBLEND® A85 AF UV

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

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**20**	g/10min	ISO 1133
Temperature	**260**	°C	-
Load	**5**	kg	-
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577

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	**50**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**50**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**109**	°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	**1150**	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	**260 - 270**	°C	-
Mold temperature	**90**	°C	-

Characteristics

Processing
Injection Molding

Certifications
RoHS compliant

Special Characteristics
U.V. stabilized or stable to weather

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