DAFNEBLEND® PM700

(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	-
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
Flexural strength	**90**	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
Rockwell hardness	**M 40**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**108**	°C	ISO 75-1/-2
Vicat softening temperature, A	**137**	°C	ISO 306
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	-
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			
Comparative tracking index	**350**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	**0.2**	%	Sim. to ISO 62
Density	**1550**	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