DAFNELOY® DH

PMMA — Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**1.5**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**3.8**	kg	-
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	**50**	MPa	ISO 527
Strain at break	**25**	%	ISO 527
Flexural modulus, 23°C	**1800**	MPa	ISO 178
Flexural strength	**74**	MPa	ISO 178
Charpy impact strength, +23°C	**65**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**7**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**6**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**91**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**97**	°C	ISO 75-1/-2
Vicat softening temperature, A	**110**	°C	ISO 306
Vicat softening temperature, B	**95**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
Yellow Card available	**yes**	-	-
Glow Wire Flammability Index (GWFI)	**650**	°C	IEC 60695-2-12
GWFI - thickness tested (1)	**2**	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	**0.35**	%	Sim. to ISO 62
Density	**1160**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**3**	h	-
Melt temperature	**230 - 270**	°C	-
Mold temperature	**60 - 90**	°C	-

Characteristics

Processing
Injection Molding

Special Characteristics
High impact or impact modified

Certifications
RoHS compliant

Applications
Building Construction

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

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