SIRMAX®

Dafneloy® D

Document	ISO Datasheet
Description	PMMA
Grade	DAFNELOY DA8
Code	
Application	Windows frame for house hold appliances, covers and panels.

PMMA medium flow, high mechanical strength, for transparent and solid colors.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (230°C - 3,80 Kg)	ISO 1133	g/10'	7
Density at 23°C	ISO 1183	g/cm3	1,16-1,18
Mould Shrinkage (%)	INTERNAL	%	0,4-0,7
Water absorption	ISO 62	%	0,30
Thermal			
Vicat A50	ISO 306	°C	108
Vicat B50	ISO 306	°C	102
HDT, A (1.80 MPa)	ISO 75/Af	°C	97
HDT, B (0.45 MPa)	ISO 75/Af	°C	100
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2800
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	110
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	75
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	4,0
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m²	2,0
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m²	2,0
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m²	20
Flammability			
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 60695-2-12	°C	650
Flammability class (1,6 mm)	UL94		HB
Processing Conditions			
Melt Temperature Range	ISO 294	°C	220-260
Mold Temperature Range	ISO 294	°C	60-90

Sirmax s.p.a.
E.A.R. N° 91334
P.IVA 00168180248
sirmax@sirmax.com

Group Headquarter:
Viale dell'Artigianato, 42
35013 Cittadella (PD) – Italy
Tel. +39 049 9441111 – Fax +39 049 9441112

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Injection Velocity	ISO 294		MEDIUM
Drying Temperature		°C	80
Drying Time		Hour	3

Regulations compliance

RoHS compliance status:	COMPLIANT
EN71:	
UL listed file nº:	
Water contact approvals.	
Food contact status:	

§ Moulding shrinkage is not an intrinsic property of plastics. It also depends on moulding parameters. The values reported have been calculated in the direction parallel to the flow in a 4.0 x 10.0 x 170 mm sample.

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