SIRMAX®

Dafnemid®

Document	ISO Datasheet
Description	PA 6
Grade	DAFNEMID 6A P12/T
Code	
Application	Handles, electric cards, connectors, seat parts, door opening system, ventilator

PA6 60% glass fiber, very high rigidity and strength, heat stabilized.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm3	1,70
Mould Shrinkage (%)	INTERNAL	%	0,1-0,3
Thermal			
Vicat B50	ISO 306	°C	220
Ball Pressure Test	IEC 60695-10-2	°C	165
HDT, A (1.80 MPa)	ISO 75/Af	°C	215
HDT, B (0.45 MPa)	ISO 75/Af	°C	220
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	19000
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	340
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	20000
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	210
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	2,5
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m²	16
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m²	16
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m²	75
Flammability			
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 60695-2-12	°C	650
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 60695-2-12	°C	650
Flammability class (1,6 mm)	UL94		HB
Electrical			
Surface resistivity	IEC 60093	Ohm	1E12

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Volume resistivity	IEC 60093	Ohm*m	1E13
Comparative tracking index CTI	IEC 60112	V	550
Processing Conditions			
Melt Temperature Range	ISO 294	°C	260-280
Mold Temperature Range	ISO 294	°C	70-90
Injection Velocity	ISO 294		HIGH
Drying Temperature		°C	80-100
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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