Dafnemid®

Document	ISO Datasheet
Description	PA 6
Grade	DAFNEMID 6A/MS1
Code	
Application	Injection moulding

Good processability, good impact and heat resistance. Lubricated.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm3	1,14
Mould Shrinkage (%)	INTERNAL	%	0,7-1,2
Water absorption	ISO 62	%	1,60
Thermal			
Vicat A50	ISO 306	°C	215
Vicat B50	ISO 306	°C	200
HDT, A (1.80 MPa)	ISO 75/Af	°C	80
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2600
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	100
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	70
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	8
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m²	5,0
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m²	6
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m²	150
Flammability			
Flammability class (1,6 mm)	UL94		HB
Flammability class (3,2 mm)	UL94		HB
Electrical			
Comparative tracking index CTI	IEC 60112	V	550
Processing Conditions			
Melt Temperature Range	ISO 294	°C	220-250
Mold Temperature Range	ISO 294	°C	60-80

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Injection Velocity	ISO 294		MEDIUM
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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