



Document	ISO Datasheet
Description	POM
Grade	DAFNELAN GR9 MS1
Code	
Application	Injection moulding

Polyoxymethylene copolymer lubricated with molybdenum disulfide.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (190°C - 2,16 Kg)	ISO 1133	g/10'	10
Density at 23°C	ISO 1183	g/cm ³	1,40
Mould Shrinkage (%)	INTERNAL	%	2,0-2,3
Thermal			
Vicat A50	ISO 306	°C	160
Vicat B50	ISO 306	°C	150
Ball Pressure Test	IEC 60695-10-2	°C	125
HDT, B (0.45 MPa)	ISO 75/Af	°C	150
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2400
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	85
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	60
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	6
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	7
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	NB
Flammability			
Flammability class (1,6 mm)	UL94		HB
Electrical			
Comparative tracking index CTI	IEC 60112	V	500
Processing Conditions			
Melt Temperature Range	ISO 294	°C	180-200
Mold Temperature Range	ISO 294	°C	70-90
Injection Velocity	ISO 294		MEDIUM

Drying Temperature	°C	80
Drying Time	Hour	3
Regulations compliance		
RoHS compliance status:	COMPLIANT	
EN71:		
UL listed file n°:		
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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