

Document	ISO Datasheet
Description	POM
Grade	DAFNELAN GR9 T02
Code	
Application	Conveyor belt roller, gears

POM COP PTFE modified.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (190°C - 2,16 Kg)	ISO 1133	g/10'	9
Density at 23°C	ISO 1183	g/cm ³	1,45
Mould Shrinkage (%)	INTERNAL	%	2,0-2,2
Thermal			
Vicat B50	ISO 306	°C	145
HDT, A (1.80 MPa)	ISO 75/Af	°C	85
HDT, B (0.45 MPa)	ISO 75/Af	°C	150
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2200
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	75
Tensile stress at break (23°C-50 mm/min)	ISO 527-2	MPa	50
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	>10
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	5,0
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	5,0
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	40
Flammability			
Flammability class (1,6 mm)	UL94		HB
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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