

Polipom 100D

Acetal (POM) Homopolymer

Poliblend S.p.a.

Message:

Polipom 100D is an Acetal (POM) Homopolymer material. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America.

General Information			
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	1.8 to 2.2	%	
Water Absorption (23°C, 24 hr)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	9.0	%	
Break	60	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	55	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	165	°C	ISO 75-2/B
1.8 MPa, Unannealed	110	°C	ISO 75-2/A
Continuous Use Temperature ¹	80.0	°C	
Vicat Softening Temperature	165	°C	ISO 306/A120
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
Melting Temperature	175	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	> 600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	> 3.0	hr	
Processing (Melt) Temp	180 to 200	°C	
Mold Temperature	70.0 to 90.0	°C	
NOTE			
1.	Without Load		

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Recommended distributors for this material

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