

Tecoform® PO20 NL RM

Acetal (POM) Copolymer
Eurotec Engineering Plastics

Message:
POM, MoS2 modified, natural

General Information			
Additive	Molybdenum Disulfide Lubricant		
Features	Copolymer		
	Lubricated		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	POM		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	1.9	%	
Flow	1.9	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2500	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	60.0	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	6.0	kJ/m²	
23°C	7.0	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Melting Temperature ¹	165	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		

1.60 mm	HB	
Injection	Nominal Value	Unit
Drying Temperature	100 to 120	°C
Drying Time	3.0 to 6.0	hr
Hopper Temperature	30.0 to 50.0	°C
Processing (Melt) Temp	180 to 220	°C
Mold Temperature	60.0 to 100	°C
Injection Rate	Moderate-Fast	
Holding Pressure	80.0 to 100	MPa
Back Pressure	Low	
NOTE		
1.	10 K/min	

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