

ESTOPLAST PM 1500NN01

Acetal (POM) Copolymer

Ester Industries Ltd.

Message:

POM Copolymer - Unfilled, Natural
Electrical & Electronics: Power distribution components

General Information			
Additive	demoulding		
Features	Low friction coefficient		
	Copolymer		
	Good chemical resistance		
	Good demoulding performance		
	Low or no water absorption		
Uses	Electrical/Electronic Applications		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	0.50	%	ISO 62
Equilibrium, 23°C, 50% RH	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	150	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	75 - 80	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	170 - 180	°C	

Middle Temperature	185 - 195	°C
Nozzle Temperature	190 - 195	°C
Processing (Melt) Temp	190	°C
Mold Temperature	75 - 85	°C

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Recommended distributors for this material

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