

Smoothblend® POM-3500

Acetal (POM) Homopolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Smoothblend® POM-3500 is a glass filled polyacetal compound offering high mechanical and thermal properties.

General Information			
Filler / Reinforcement	Glass Bead,25% Filler by Weight		
Features	Good Thermal Stability		
	Good Wear Resistance		
Uses	Automotive Applications		
	Bushings		
	Engineering Parts		
	Gears		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.5 to 2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength	70.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	145	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 6.0	hr	
Rear Temperature	180 to 185	°C	
Middle Temperature	185 to 190	°C	
Front Temperature	190 to 200	°C	
Nozzle Temperature	200 to 210	°C	

Processing (Melt) Temp	180 to 215	°C
Mold Temperature	80.0 to 105	°C

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