

PolyOne Stat-Tech™ AT-CB2/000 CR Acetal (POM) Copolymer

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Stat-Tech™ AT-CB2/000 CR XP020229R2 Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-AT-CB2000-CR-Acetal-POM-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 - 1.42 g/cc	1.36 - 1.42 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.025 - 0.028 cm/cm	0.025 - 0.028 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	51.7 - 68.9 MPa	7500 - 9990 psi	ASTM D638
Elongation at Break	10 - 20 %	10 - 20 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.07 - 4.14 GPa	300 - 600 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	82.7 - 103 MPa	12000 - 14900 psi	ASTM D790
Flexural Modulus	1.38 - 3.45 GPa	200 - 500 ksi	ASTM D790
Izod Impact, Notched	0.530 - 1.30 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.993 - 2.44 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	153 °C @Thickness 3.18 mm	307 °F @Thickness 0.125 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	105 °C @Thickness 3.18 mm	221 °F @Thickness 0.125 in	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 - 1.00e+7 ohm-cm	10000 - 1.00e+7 ohm-cm	ASTM D257
Surface Resistance	1e+05 - 1.00e+8 ohm	1e+05 - 1.00e+8 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 200 °C	374 - 392 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	80.0 - 85.0 °C	176 - 185 °F	
Dry Time	2.00 - 3.00 hour	2.00 - 3.00 hour	

Descriptive Properties	Value	Comments
Features	Clean/High Purity	
Filler / Reinforcement	Carbon Nano Filler	
Forms	Pellets	
Generic Material	Acetal (POM) Copolymer	
Generic Name	Acetal (POM) Copolymer	
Processing Method	Injection Molding	
Regional Availability	Asia Pacific	
Uses	Aerospace Applications	
	Automotive Electronics	
	Business Equipment	
	Computer Components	
	Connectors	
	Electrical Housing	
	Electrical/Electronic Applications	
	Housings	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China