

Aardvark Polymers AARTEL[®] 100 D/S Rotational Molding Resin

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Aartel 100SD is a new conductive grade developed to dissipate electricity in fuel handling systems. Aartel 100SD maintains all of the excellent properties of our general purpose acetal, has a volume resistivity of 5E00 ohm-m, and has an improved resistance to hot diesel fuels. Information provided by Gehrig & Associates

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aardvark-Polymers-AARTEL-100-DS-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.019 cm/cm	0.019 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.020 cm/cm	0.020 in/in	ISO 294-4
Melt Flow	1.38 g/10 min @Load 2.16 kg, Temperature 190 °C	1.38 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	49.0 MPa	7110 psi	(50mm/min); ISO 527-2/1A
Elongation at Yield	6.2 %	6.2 %	(50mm/min); ISO 527-2/1A
Tensile Modulus	2.45 GPa	355 ksi	(1mm/min); ISO 527-2/1A
Flexural Modulus	2.40 GPa	348 ksi	ISO 178
Izod Impact, Notched (ISO)	4.20 kJ/m ² @Temperature 23.0 °C	2.00 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A
Charpy Impact, Notched	0.440 J/cm ² @Temperature 23.0 °C	2.09 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1e

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	(10°C/min); ISO 11357-1,2,3
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C	194 °F	ISO 75-1/-2

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