

Aardvark Polymers AARTEL® 800AM Rotational Molding Resin

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Aartel 800AM is a new antimicrobial grade that offers the same excellent physical and mechanical properties of standard Aartel grades plus the added benefit of protection against microbial growth, providing a competitive advantage for products in the most challenging environments. Information provided by Gehrig & Associates

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aardvark-Polymers-AARTEL-800AM-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.026 cm/cm	0.026 in/in	ISO 294-4
Melt Flow	11.28 g/10 min @Load 2.16 kg, Temperature 190 °C	11.28 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.0 MPa	8410 psi	(50mm/min); ISO 527-2/1A
Elongation at Yield	11 %	11 %	(50mm/min); ISO 527-2/1A
Tensile Modulus	2.50 GPa	363 ksi	(1mm/min); ISO 527-2/1A
Flexural Modulus	2.50 GPa	363 ksi	ISO 178
Charpy Impact, Notched	0.700 J/cm ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1e

Thermal Properties	Metric	English	Comments
Melting Point	167 °C	333 °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

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