

Solvay Specialty Polymers Amodel® A-6625 HS BK324 Polyphthalamide, 25% carbon/glass fiber, ESD grade (discont

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), Carbon Fiber Filled

Material Notes:

Amodel A-6625 HS BK324 is a 25% carbon and glass-fiber-reinforced, heat-stabilized grade of polyphthalamide (PPA). It is formulated for applications requiring the dissipation of static charge. This material is well suited for fuel systems applications requiring low permeation, low swell, and high thermal resistance. It can also be used for components of electrical/electronic systems requiring high strength and stiffness, as well as static charge dissipation. Amodel A-6625 HS BK324 resin provides low moisture absorption, excellent dimensional stability and has creep resistance superior to other electrostatic dissipative materials. This resin can be easily processed by injection molding using water-cooled molds, conventional equipment, and methods. Data for dry-as-molded samples.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Amodel-A-6625-HS-BK324-Polyphthalamide-25-carbon-glass-fiber-ESD-grade-nbspdiscont.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ISO 1183
Water Absorption	0.25 %	0.25 %	24 hrs; ISO 62
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	135 MPa	19600 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Tensile Modulus	10.0 GPa	1450 ksi	ISO 527
Flexural Strength	200 MPa	29000 psi	ISO 178
Flexural Modulus	10.0 GPa	1450 ksi	ISO 178
Charpy Impact Unnotched	8.00 J/cm ² @Temperature -40.0 °C	38.1 ft-lb/in ² @Temperature -40.0 °F	ISO 179
Charpy Impact, Notched	1.20 J/cm ² @Temperature -40.0 °C	5.71 ft-lb/in ² @Temperature -40.0 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	295 °C	563 °F	ISO 75

Deflection Temperature at 1.8 MPa (100 psi) Thermal Properties	255 °C Metric	491 °F English	ISO 75 Comments
Glass Transition Temp, Tg	88.0 °C	190 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	320 - 330 °C	608 - 626 °F	Injection Molding
Mold Temperature	65.0 - 93.0 °C	149 - 199 °F	
Drying Temperature	90.0 - 135 °C	194 - 275 °F	
Moisture Content	0.030 - 0.060 %	0.030 - 0.060 %	

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