

Solvay Specialty Polymers Amodel® A-6135 NL Polyphthalamide (PPA), 35% Glass Fiber Reinforcement (discontin

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 40% Glass Fiber Reinforced

Material Notes:

Amodel A-6135 NL polyphthalamide (PPA), a 35% glass reinforced, high-glow, non-lubricated, hot-water moldable resin specially designed for laser welding. The black version is a laser absorber, and the natural is laser transmissive. - Black: A-6135 NL BK543- Natural: A-6135 NL NT
Features: Good Chemical Resistance; Good Creep Resistance; Good Flow; Good Stiffness; High Stiffness; High Strength; Hot Water Moldability; Laser Weldable; Low Moisture Absorption
Uses: Automotive Applications; Automotive Electronics; Connectors; Electrical Parts; Housings
Availability: Africa & Middle East; Asia Pacific; Europe; North America; South America
Injection Rate: 3 to 6 in/sec
Holding Pressure: 50% of injection pressure
Information provide by Solvay Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Amodel-A-6135-NL-Polyphthalamide-PPA-35-Glass-Fiber-Reinforcement-nbspdiscontin.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ISO 1183 Method A
Water Absorption	0.29 %	0.29 %	24 hrs; ISO 62
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	flow; ISO 294-4
	0.010 cm/cm	0.010 in/in	across flow; ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	220 MPa	31900 psi	ISO 527-2
Elongation at Break	2.5 %	2.5 %	ISO 527-2
Tensile Modulus	12.5 GPa	1810 ksi	ISO 527-2
Flexural Strength	300 MPa	43500 psi	3.5%; ISO 178
Flexural Modulus	11.4 GPa	1650 ksi	ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	65.0 kJ/m ²	30.9 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	310 °C	590 °F	ISO 11357-3
Deflection Temperature at 0.46 MPa (66 psi)	303 °C	577 °F	Unannealed; Flatwise; ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	288 °C	550 °F	Unannealed; Flatwise; ISO 75-2/A

Thermal Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Rear Barrel Temperature	315 - 321 °C	599 - 610 °F	
Middle Barrel Temperature	315 - 321 °C	599 - 610 °F	
Front Barrel Temperature	327 - 332 °C	621 - 630 °F	
Melt Temperature	320 - 335 °C	608 - 635 °F	
Mold Temperature	65.0 - 93.0 °C	149 - 199 °F	
Drying Temperature	120 °C	248 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.030 - 0.060 %	0.030 - 0.060 %	suggested max

Descriptive Properties	Value	Comments
Appearance	Black; Natural Color	
Forms	Pellets	
Processing Method	Water-Assisted Injection Molding	
RoHS Compliance	Contact Manufacturer	

Contact Songhan Plastic Technology Co.,Ltd.

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