

## Solvay Specialty Polymers Amodel® AT-6130 HS Polyphthalamide (PPA), 30% Glass Fiber (Conditioned)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 30% Glass Fiber Reinforced

### Material Notes:

Amodel® AT-6130 HS is a 30% glass-reinforced, toughened polyphthalamide (PPA) resin that has more elongation than other 30% glass-reinforced grades of Amodel® resin. This grade was developed for automotive snap-fit electronic connectors. It offers high flow and short molding cycles. The processing window is relatively broad and mold temperatures as low as 150°F (65°C) can be used. Features: Good Chemical Resistance; Good Flow; Good Wear Resistance; Heat Stabilized; High Heat Resistance; High Strength; Hot Water Moldability; Impact Modified; Low Friction; Lubricated Uses: Automotive Applications; Automotive Electronics; Automotive Under the Hood; Bearings; Connectors; Fuel Lines; General Purpose; Housings; Industrial Applications; Industrial Parts; Lawn and Garden Equipment; Machine/Mechanical Parts; Metal Replacement; Valves/Valve Parts Injection Molding Notes: Amodel® compounds are shipped in moisture-resistant packages at moisture levels according to specifications. Sealed, undamaged bags should be preferably stored in a dry room at a maximum temperature of 50°C (122°F) and should be protected from possible damage. If only a portion of a package is used, the remaining material should be transferred into a sealable container. It is recommended that Amodel® resins be dried prior to molding. Automotive Specifications ASTM D4000 PPA0123 G30 KD150 KN080 PM095 PN095 YI255 LD002 Color: BK-324 Black; ASTM D4000 PPA0123 G30 KD150 KN080 PM095 PN095 YI255 LD002 Color: NT Natural; ASTM D6779 PA103G30; DELPHI MS 5218 Color: BK-324 Black; DELPHI MS 5218 Color: NT Natural; GM GMP.PPA.017 Color: BK-324 Black; GM GMP.PPA.017 Color: NT Natural; GM GMW16363P-PPA-GF30 Color: Black; GM GMW16363P-PPA-GF30 Color: Natural; ISO 1874-PA 6T/66-HI, MH, 11-090, GF30 Information provided by Solvay Specialty Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Amodel-AT-6130-HS-Polyphthalamide-PPA-30-Glass-Fiber-Conditioned.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Amodel-AT-6130-HS-Polyphthalamide-PPA-30-Glass-Fiber-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in <sup>3</sup>	Dry; ISO 1183
Filler Content	30 %	30 %	Glass Fiber
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	Dry
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	Dry; ASTM D955

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	316 - 324 °C	601 - 615 °F	
Front Barrel Temperature	327 - 332 °C	621 - 630 °F	
Melt Temperature	321 - 335 °C	610 - 635 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	
Drying Temperature	121 °C	250 °F	

Processing Properties	@Time 14400 sec Metric	@Time 4.00 hour English	Comments
Moisture Content	<= 0.15 %	<= 0.15 %	

Descriptive Properties	Value	Comments
Additive	Heat Stabilizer	
	Impact Modifier	
	Lubricant	
	Mold Release	
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	Latin America	
	North America	
Color	Black; Natural	
Form	Pellets	
Injection Rate	Fast	
Processing Technique	Water-Heated Mold Injection Molding	
RoHS Compliance	RoHS Compliant	

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