

Solvay Specialty Polymers Amodel® A-1340 HS Polyphthalamide (PPA) Resin, 40% Mineral/Glass Reinforced, at 50% RH &n

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), Mineral Filled

Material Notes:

AMODEL® A-1340 HS is a 40% mineral/glass reinforced, heat stabilized polyphthalamide (PPA) which exhibits a high deflection temperature, high flexural modulus, high tensile strength and low warpage. Excellent dimensional stability and low moisture absorption are also characteristics of this resin. AMODEL A-1340 HS resin can be easily processed using conventional equipment and methods. Information provided by Solvay Advanced Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Amodel-A-1340-HS-Polyphthalamide-PPA-Resin-40-MineralGlass-Reinforced-at-50-RH-n.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.16 %	0.16 %	24 hours; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	130 MPa	18900 psi	ASTM D638
Elongation at Yield	1.8 %	1.8 %	ASTM D638
Tensile Modulus	11.0 GPa	1600 ksi	ASTM D638
Flexural Strength	232 MPa	33600 psi	ASTM D790
Flexural Modulus	10.8 GPa	1570 ksi	ASTM D790
Shear Strength	85.0 MPa	12300 psi	ASTM D732
Izod Impact, Notched	0.450 J/cm	0.843 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	313 °C	595 °F	ASTM D3418

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.3	4.3	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	4.7	4.7	ASTM D150
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.0080	0.0080	

Electrical Properties	Metric	English	ASTM D150 Comments
	0.022	0.022	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
High Voltage Arc Resistance to Ignition (HVAR)	130 sec	130 sec	ASTM D495
Comparative Tracking Index	550 V	550 V	ASTM D3638

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