

## Solvay Specialty Polymers Amodel® AF-1133 V0 Polyphthalamide (PPA) Resin, 33% Glass Reinforced, at 50% RH (di

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

### Material Notes:

AMODEL AF-1133 V0 resin in a 33% glass reinforced, flame retarded polyphthalamide (PPA) which exhibits a high deflection temperature, tensile strength, and flexural modulus. The material has good dimensional stability; therefore, typical humid environmental conditions result in only minor changes in the strength and stiffness. This grade of AMODEL resin can withstand the demanding vapor phase and infrared reflow soldering processes typically used in the electronics industry. It is ideally suited for most connectors and electrical devices requiring surface mount technology (SMT). The material offers easy processing using conventional equipment and methods. This product line was acquired by Solvay Advanced Polymers from BP Amoco in November 2001. MatWeb has an entry for this material dry as molded.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Amodel-AF-1133-V0-Polyphthalamide-PPA-Resin-33-Glass-Reinforced-at-50-RH-nbspdi.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Amodel-AF-1133-V0-Polyphthalamide-PPA-Resin-33-Glass-Reinforced-at-50-RH-nbspdi.php)

Physical Properties	Metric	English	Comments
Density	1.71 g/cc	0.0618 lb/in <sup>3</sup>	Dry As Molded

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	169 MPa	24500 psi	ASTM D638
Tensile Modulus	13.8 GPa	2000 ksi	ASTM D638
Flexural Yield Strength	230 MPa	33400 psi	ASTM D790
Flexural Modulus	13.1 GPa	1900 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	321 - 338 °C	610 - 640 °F	Injection

## Contact Songhan Plastic Technology Co.,Ltd.

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