

Solvay Specialty Polymers Amodel® HFZ A-1133 L Polyphthalamide (PPA) (Unverified Data**)

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

Material Notes:

Amodel® HFZ A-1133 L is a high-flow, 33% glass fiber reinforced polyphthalamide (PPA) grade. Natural: HFZ A-1133 L NT Black: HFZ A-1133 L BK 937 Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Amodel-HFZ-A-1133-L-Polyphthalamide-PPA-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in ³	ISO 1183/A
Filler Content	33 %	33 %	Glass Fiber Reinforcement

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	188 MPa	27300 psi	ISO 527-2
Elongation at Break	1.7 %	1.7 %	ISO 527-2
Tensile Modulus	11.2 GPa	1620 ksi	ISO 527-2
Flexural Strength	268 MPa	38900 psi	ISO 178
Flexural Modulus	10.4 GPa @Temperature 23.0 °C	1510 ksi @Temperature 73.4 °F	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180
Charpy Impact, Notched	0.820 J/cm ²	3.90 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	296 °C	565 °F	Unannealed; ISO 75-2/Af

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	316 - 329 °C	601 - 624 °F	
Middle Barrel Temperature	316 - 329 °C	601 - 624 °F	
Front Barrel Temperature	324 - 335 °C	615 - 635 °F	
Melt Temperature	321 - 345 °C	610 - 653 °F	
Mold Temperature	150 °C	302 °F	

Processing Properties	Metric	English	Comments
Dry Time	4.00 hour	4.00 hour	
Moisture Content	0.030 - 0.060 %	0.030 - 0.060 %	

Descriptive Properties	Value	Comments
Appearance	Black	
	Natural Color	
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Features	Good Chemical Resistance	
	Good Creep Resistance	
	Good Dimensional Stability	
	Good Stiffness	
	High Flow	
	High Stiffness	
	High Strength	
	High Temperature Strength	
Forms	Pellets	
Generic	PPA	
Processing Method	Injection Molding	
RoHS Compliance	RoHS Compliant	
Uses	Automotive Applications	
	Automotive Electronics	
	Automotive Under the Hood	
	Bobbins	

Descriptive Properties	Connectors Value	Comments
	Electrical/Electronic Applications	
	General Purpose	
	Industrial Applications	
	Industrial Parts	
	Lawn and Garden Equipment	
	Machine/Mechanical Parts	
	Metal Replacement	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China