

DuPont Performance Polymers Zytel® HTN 54G35EF NC010 Polyphthalamide (PPA)

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

Material Notes:

Zytel® HTN54G35EF NC010 is a 35% glass reinforced, toughened, heat stabilized, lubricated high performance polyamide resin, developed for electrical and electronics applications. It is also a PPA resin. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-HTN-54G35EF-NC010-Polyphthalamide-PPA.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	DAM; ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	187 MPa @Temperature 23.0 °C	27100 psi @Temperature 73.4 °F	DAM; ISO 527
Elongation at Break	2.7 % @Temperature 23.0 °C	2.7 % @Temperature 73.4 °F	DAM; ISO 527
Tensile Modulus	10.0 GPa @Temperature 23.0 °C	1450 ksi @Temperature 73.4 °F	DAM; ISO 527
Charpy Impact Unnotched	8.20 J/cm ² @Temperature 23.0 °C	39.0 ft-lb/in ² @Temperature 73.4 °F	DAM; ISO 179/1eU
Charpy Impact, Notched	1.10 J/cm ² @Temperature 23.0 °C	5.23 ft-lb/in ² @Temperature 73.4 °F	DAM; ISO 179/1eA

Processing Properties	Metric	English	Comments
Melt Temperature	325 °C	617 °F	DAM; Optimum
	320 - 330 °C	608 - 626 °F	DAM
Mold Temperature	85.0 - 135 °C	185 - 275 °F	DAM
Drying Temperature	100 °C	212 °F	DAM
Dry Time	6.00 - 8.00 hour	6.00 - 8.00 hour	DAM
Moisture Content	<= 0.10 %	<= 0.10 %	DAM

Descriptive Properties	Value	Comments
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Appearance Descriptive Properties	Natural Color Value	DAM Comments
Forms	Pellets	DAM
Generic	Polyphthalamide (PPA)	DAM
Material Status	Preliminary Data	DAM
Part Marking Code	>PA-IGF35<	ISO 11469; DAM
	>PPA-IGF35<	SAE J1344; DAM
Processing Method	Injection Molding	DAM
Product Category	Electrical Resins	DAM
	Encapsulation Resins	DAM
	Glass Reinforced Resins	DAM
	Hydrolysis Resistant Resins	DAM
	Toughened Resins	DAM
Region Available - Global	Yes	DAM
Resin Identification	PA-IGF35	ISO 1043; DAM
RoHS Compliance	Contact Manufacturer	DAM

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