

DuPont Performance Polymers Zytel® HTN 55G55LWSF BK752A Polyphthalamide (PPA)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 50% Glass Fiber Reinforced

Material Notes:

55% Glass Reinforced PPA High Performance Polyamide with Low Warpage and High Stiffness Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-HTN-55G55LWSF-BK752A-Polyphthalamide-PPA.php

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in ³	DAM; ISO 1183
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	DAM; ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.0010 cm/cm	0.0010 in/in	DAM; ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	270 MPa	39200 psi	DAM; ISO 527-1/-2
Elongation at Break	1.9 %	1.9 %	DAM; ISO 527-1/-2
Tensile Modulus	19.0 GPa	2760 ksi	DAM; ISO 527-1/-2
Flexural Strength	420 MPa	60900 psi	DAM; ISO 178
Flexural Modulus	17.0 GPa	2470 ksi	DAM; ISO 178
Charpy Impact, Notched	2.50 J/cm ²	11.9 ft-lb/in ²	DAM; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	232 °C	450 °F	DAM; ISO 75-1/-2
Flammability, UL94	HB	HB	DAM; IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	DAM; IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Descriptive Properties	Value	Comments
Additives	Release agent	
Delivery Form	Pellets	

Part Marking Code Descriptive Properties	-PA-GF55- Value	ISO 11469 Comments
	>PPA-GF55<	SAE J1344
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
Special Characteristics	Heat stabilised or stable to heat	
UL recognition	UL	DAM

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