

DuPont Performance Polymers Zytel® HTN FE8200 BK431 Polyphthalamide (PPA) (Unverified Data**)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

Unreinforced Toughened PPA High Performance Polyamide Zytel HTNFE8200 BK431 is an unreinforced toughened heat stabilized lubricated high performance polyamide resin for injection molding. 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-FE8200-BK431-Polyphthalamide-PPA-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	DAM; ISO 1183
Linear Mold Shrinkage, Flow	0.010 cm/cm	0.010 in/in	DAM; ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	DAM; ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	69.0 MPa	10000 psi	DAM; ISO 527-1/-2
Elongation at Break	14 %	14 %	DAM; Nominal; ISO 527-1/-2
Elongation at Yield	5.5 %	5.5 %	DAM; ISO 527-1/-2
Tensile Modulus	2.15 GPa	312 ksi	DAM; ISO 527-1/-2
Flexural Modulus	2.07 GPa	300 ksi	DAM; ISO 178
Charpy Impact, Notched	8.00 J/cm ²	38.1 ft-lb/in ²	DAM; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	300 °C	572 °F	DAM; first heat; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	DAM; ISO 75-1/-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	DAM; IEC 60093

Descriptive Properties	Value	Comments
Part Marking Code	>PA6T/XT-I<	ISO 11469

Descriptive Properties	Value	Comments
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Special Characteristics	Heat stabilised or stable to heat	

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