

DuPont Performance Polymers Zytel® FR70M30V0 BK010 Nylon 66 (Unverified Data**)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 30% Mineral Filled

Material Notes:

30% Mineral Reinforced Flame Retardant Polyamide 66 Zytel FR70M30V0 BK010 is a 30% mineral reinforced flame retardant black polyamide 66 resin for injection molding. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-FR70M30V0-BK010-Nylon-66-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	DAM; ISO 1183
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	DAM; ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	DAM; ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	50%RH; ISO 527-1/-2
	65.0 MPa	9430 psi	DAM; ISO 527-1/-2
Elongation at Break	2.0 %	2.0 %	DAM; ISO 527-1/-2
	3.5 %	3.5 %	50%RH; ISO 527-1/-2
Tensile Modulus	4.00 GPa	580 ksi	50%RH; ISO 527-1/-2
	6.20 GPa	899 ksi	DAM; ISO 527-1/-2
Izod Impact, Notched (ISO)	2.00 kJ/m ²	0.952 ft-lb/in ²	DAM; ISO 180/1A
	2.50 kJ/m ²	1.19 ft-lb/in ²	50%RH; ISO 180/1A
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	DAM; ISO 179/1eU
	2.50 J/cm ²	11.9 ft-lb/in ²	50%RH; ISO 179/1eU
Charpy Impact, Notched	0.250 J/cm ²	1.19 ft-lb/in ²	DAM; ISO 179/1eA
	0.250 J/cm ²	1.19 ft-lb/in ²	50%RH; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	263 °C	505 °F	DAM; 10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	DAM; ISO 75-1/-2

Thermal Properties	V-2 Metric	V-2 English	Comments
	@Thickness 0.800 mm	@Thickness 0.0315 in	DAM; IEC 60695-11-10
	V-0	V-0	DAM; IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	5VA	5VA	DAM; IEC 60695-11-20
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Descriptive Properties	Value	Comments
Part Marking Code	>PA66-MD30FR(17)<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	PA66-MD30FR(17)	
UL recognition	UL	DAM

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