

DuPont Performance Polymers Rynite® RE5231 BK533 Polyethylene Terephthalate (PET)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass/Mineral Reinforced

Material Notes:

35% Glass/Mineral Reinforced Polyethylene Terephthalate Rynite RE5231 BK533 is a 35% glass fiber/mica reinforced product modified for improved electrical properties such as dielectric strength. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Rynite-RE5231-BK533-Polyethylene-Terephthalate-PET.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	94.0 MPa	13600 psi	ISO 527-1/-2
Elongation at Break	2.0 %	2.0 %	ISO 527-1/-2
Izod Impact, Unnotched (ISO)	500 kJ/m ²	238 ft-lb/in ²	ASTM D4812
Izod Impact Resistance	5.90 J/cm ²	28.1 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	216 °C	421 °F	ISO 75-1/-2
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	IEC 60695-11-10

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Part Marking Code	>PET-(GF+MD)35<	ISO 11469
Processing	Injection Moulding	
Regional Availability	North America	
	South and Central America	
Resin Identification	PET-(GF+MD)35	
UL recognition	UL	

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