

DuPont Performance Polymers Rynite® FR531 NC010 Polyethylene Terephthalate (PET) (Unverified Data**)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass Fiber Filled, Flame Retardant

Material Notes:

36% Reinforced Flame Retardant Polyethylene Terephthalate Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Rynite-FR531-NC010-Polyethylene-Terephthalate-PET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.83 g/cc	0.0661 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ISO 294-4 2577
Melt Flow	3.0 g/10 min @Load 5.00 kg, Temperature 280 °C	3.0 g/10 min @Load 11.0 lb, Temperature 536 °F	cm ³ /10min; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	129 MPa	18700 psi	ISO 527-1/-2
Elongation at Break	1.6 %	1.6 %	ISO 527-1/-2
Tensile Modulus	12.6 GPa	1830 ksi	ISO 527-1/-2
Charpy Impact Unnotched	3.60 J/cm ²	17.1 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	247 °C	477 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	218 °C	424 °F	ISO 75-1/-2
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	IEC 60695-11-10
	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	IEC 60695-11-10
	5VA	5VA	IEC 60695-11-20

Thermal Properties	@Thickness 2.00 mm Metric	@Thickness 0.0787 in English	Comments
Electrical Properties	Metric	English	Comments
Comparative Tracking Index	325 V	325 V	IEC 60112
	250 - 400 V	250 - 400 V	UL 746A

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Near East/Africa	
UL recognition	UL	

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