

DuPont Performance Polymers Rynite® 530 BK503 Polyethylene Terephthalate (PET) (Unverified Data**)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 30% Glass Reinforced

Material Notes:

30% Glass Reinforced Polyethylene Terephthalate Rynite 530 BK503 is a 30% glass reinforced modified polyethylene terephthalate with outstanding balance of strength stiffness and toughness excellent electrical properties surface appearance and chemical information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Rynite-530-BK503-Polyethylene-Terephthalate-PET-Unverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	150 MPa	21800 psi	ISO 527-1/-2
Elongation at Break	2.1 %	2.1 %	ISO 527-1/-2
Tensile Modulus	10.2 GPa	1480 ksi	ISO 527-1/-2
Flexural Strength	210 MPa	30500 psi	ISO 178
Flexural Modulus	8.94 GPa	1300 ksi	ISO 178
Izod Impact, Notched (ISO)	9.50 kJ/m ²	4.52 ft-lb/in ²	ISO 180/1A
	8.50 kJ/m ² @Temperature -40.0 °C	4.04 ft-lb/in ² @Temperature -40.0 °F	ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	ISO 180/1U
	35.0 kJ/m ² @Temperature -40.0 °C	16.7 ft-lb/in ² @Temperature -40.0 °F	ISO 180/1U
Charpy Impact Unnotched	5.20 J/cm ²	24.7 ft-lb/in ²	ISO 179/1eU
	4.50 J/cm ² @Temperature -40.0 °C	21.4 ft-lb/in ² @Temperature -40.0 °F	ISO 179/1eU
Charpy Impact, Notched	0.950 J/cm ²	4.52 ft-lb/in ²	ISO 179/1eA

Mechanical Properties	0.800 J/cm ² Metric	3.81 ft-lb/in ² English	Comments _{1A}
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	0.850 J/cm ²	4.04 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	244 °C	471 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	221 °C	430 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	
Flame Spread	38 mm/min	1.5 in/min	ISO 3795 (FMVSS 302)
	@Thickness 1.00 mm	@Thickness 0.0394 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	32.0 kV/mm	813 kV/in	IEC 60243-1

Descriptive Properties	Value	Comments
Part Marking Code	>PET-GF30<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	PET-GF30	
UL recognition	UL	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China