

## DuPont Performance Polymers Rynite® 530HTE NC010 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 with Excellent High Temperature Dielectric Properties Rynite 530HTE NC010 is a 30% glass reinforced modified polyethylene terephthalate resin with excellent high temperature dielectric properties. Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Rynite-530HTE-NC010-Polyethylene-Terephthalate-PET-Unverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Rynite-530HTE-NC010-Polyethylene-Terephthalate-PET-Unverified-Data.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.58 g/cc	1.58 g/cc	ASTM D792
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 280 °C	9.0 g/10 min @Load 4.76 lb, Temperature 536 °F	cm <sup>3</sup> /10min; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	100	100	ASTM D785
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	170 MPa	24700 psi	ISO 527-1/-2
Elongation at Break	2.3 %	2.3 %	ISO 527-1/-2
	2.3 %	2.3 %	ASTM D638
Tensile Modulus	10.7 GPa	1550 ksi	ASTM D638
	11.0 GPa	1600 ksi	ISO 527-1/-2
Izod Impact, Unnotched (ISO)	695 kJ/m <sup>2</sup>	331 ft-lb/in <sup>2</sup>	ASTM D4812
Izod Impact Resistance	9.00 J/cm <sup>2</sup>	42.8 ft-lb/in <sup>2</sup>	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	252 °C	486 °F	10°C/min; ISO 11357-1/-3
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	IEC 60695-11-10
	HB	HB	IEC 60695-11-10

Thermal Properties	@Thickness 0.800 mm Metric	@Thickness 0.0315 in English	Comments
<b>Electrical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	IEC 60093
	1.00e+17 ohm-cm	1.00e+17 ohm-cm	ASTM D257
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	ASTM D257
Dielectric Constant	4.1	4.1	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	4.2	4.2	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	34.0 kV/mm	864 kV/in	IEC 60243-1
Dissipation Factor	0.0040	0.0040	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.014	0.014	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Part Marking Code	>PET-GF30<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Europe	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	PET-GF30	
Special Characteristics	Heat stabilised or stable to heat	
UL recognition	UL	

**Contact Songhan Plastic Technology Co.,Ltd.**

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