

## DuPont Performance Polymers Rynite® FG530 NC011 PET (Unverified Data\*\*)

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

### Material Notes:

Rynite® FG530 NC011 is a 30% glass fiber reinforced modified polyethylene terephthalate resin. It has been developed for consideration into applications for the food industry. Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Rynite-FG530-NC011-PET-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Rynite-FG530-NC011-PET-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Thickness 2.00 mm	0.0020 in/in @Thickness 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0080 cm/cm @Thickness 2.00 mm	0.0080 in/in @Thickness 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	162 MPa @Temperature 23.0 °C	23500 psi @Temperature 73.4 °F	ISO 527
Elongation at Break	2.1 % @Temperature 23.0 °C	2.1 % @Temperature 73.4 °F	ISO 527
Tensile Modulus	10.5 GPa @Temperature 23.0 °C	1520 ksi @Temperature 73.4 °F	ISO 527
Charpy Impact Unnotched	4.00 J/cm <sup>2</sup> @Temperature 23.0 °C	19.0 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.10 J/cm <sup>2</sup> @Temperature 23.0 °C	5.23 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	257 °C	495 °F	ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	242 °C	468 °F	ISO 75-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	120 °C	248 °F	
Dry Time	4.00 hour	4.00 hour	
Moisture Content	<= 0.020 %	<= 0.020 %	

Descriptive Properties	Value	Comments
Appearance	Natural Color	
Forms	Pellets	
Generic	PET	
Material Status	Preliminary Data	
Part Marking Code	>PET-GF30<	ISO 11469
Processing Method	Injection Molding	
Product Category	Food Contact Resins	
	Glass Reinforced Resins	
Region Available - Global	Yes	
Resin Identification	PET-GF30	ISO 1043
RoHS Compliance	Contact Manufacturer	
Uses	Food Applications, Non-specific	

## Contact Songhan Plastic Technology Co.,Ltd.

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