

## DuPont Performance Polymers Rynite® RE15022 NC010 PET (Unverified Data\*\*)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 40% Glass Reinforced

### Material Notes:

Rynite® RE15022 NC010 is a 36% glass reinforced product designed for applications that need high burst strength. Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Rynite-RE15022-NC010-PET-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Rynite-RE15022-NC010-PET-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.65 g/cc	1.65 g/cc	ASTM D792
Density	1.65 g/cc	0.0596 lb/in <sup>3</sup>	ISO 1183
Filler Content	36 %	36 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	205 MPa @Temperature 23.0 °C	29700 psi @Temperature 73.4 °F	ISO 527
Tensile Strength	195 MPa @Temperature 23.0 °C	28300 psi @Temperature 73.4 °F	ASTM D638
Elongation at Break	2.4 % @Temperature 23.0 °C	2.4 % @Temperature 73.4 °F	ASTM D638
	2.4 % @Temperature 23.0 °C	2.4 % @Temperature 73.4 °F	ISO 527
Tensile Modulus	14.0 GPa @Temperature 23.0 °C	2030 ksi @Temperature 73.4 °F	ISO 527
Flexural Strength	305 MPa @Temperature 23.0 °C	44200 psi @Temperature 73.4 °F	ASTM D790
Flexural Modulus	12.7 GPa @Temperature 23.0 °C	1840 ksi @Temperature 73.4 °F	ASTM D790
Izod Impact, Notched	1.05 J/cm @Temperature -40.0 °C	1.97 ft-lb/in @Temperature -40.0 °F	ASTM D256
	1.10 J/cm @Temperature 23.0 °C	2.06 ft-lb/in @Temperature 73.4 °F	ASTM D256

Mechanical Properties	Metric	English	Comments
Izod Impact, Unnotched	11.75 J/cm @Temperature 23.0 °C	22.01 ft-lb/in @Temperature 73.4 °F	ASTM D4812
Charpy Impact Unnotched	6.50 J/cm <sup>2</sup> @Temperature 23.0 °C	30.9 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU

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)	235 °C	455 °F	ISO 75-1/-2
	235 °C	455 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	>= 95.0 °C	>= 203 °F	
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	
Drying Recommended	Yes	
Filler	Glass Reinforced	
Forms	Pellets	
Generic	PET	
Material Status	Preliminary Data	
Polymer Family	Polyester	
Polymer Type	PET	
Processing Method	Injection Molding	
Product Category	Glass/Mineral Reinforced Resins	
Region Available - Global	Yes	

RoHS Compliance Descriptive Properties	Contact Manufacturer Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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