

DuPont Performance Polymers Rynite® RE15022 NC010 Polyethylene Terephthalate (PET)

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

Material Notes:

36% Glass Reinforced Polyethylene Terephthalate 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-Polyethylene-Terephthalate-PET.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 ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	205 MPa	29700 psi	ISO 527-1/-2
Tensile Strength	195 MPa	28300 psi	ASTM D638
Elongation at Break	2.4 %	2.4 %	ISO 527-1/-2
	2.4 %	2.4 %	ASTM D638
Tensile Modulus	14.0 GPa	2030 ksi	ISO 527-1/-2
Izod Impact, Unnotched (ISO)	1180 kJ/m ²	561 ft-lb/in ²	ASTM D4812
Izod Impact Resistance	10.5 J/cm ²	50.0 ft-lb/in ²	ASTM D256
	11.0 J/cm ²	52.4 ft-lb/in ²	ASTM D256
Charpy Impact Unnotched	6.50 J/cm ²	30.9 ft-lb/in ²	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

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Processing	Injection Moulding	

Descriptive Properties	Valueacific	Comments
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	

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