

Technical Data

Product Description

30% Glass Reinforced, Flame Retardant, Polyethylene Terephthalate

General

Material Status	• Commercial: Active
Literature ¹	• Processing - Injection Molding (English) • Typical Processing for DuPont Engineering Polymers (English)
UL Yellow Card ²	• E41938-257735
Search for UL Yellow Card	• DuPont Performance Polymers • Rynite®
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Agency Ratings	• UL Unspecified Rating
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PET-GF30FR<
Resin ID (ISO 1043)	• PET-GF30FR(17)

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.68 g/cm ³	1.68 g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.80 %	0.80 %	
Flow	0.20 %	0.20 %	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	1.64E+6 psi	11300 MPa	ISO 527-2
Tensile Stress (Break)	18900 psi	130 MPa	ISO 527-2
Tensile Strain (Break)	1.9 %	1.9 %	ISO 527-2
Flexural Modulus	1.52E+6 psi	10500 MPa	ISO 178
Flexural Stress	29000 psi	200 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°F (-40°C)	3.8 ft·lb/in ²	8.0 kJ/m ²	
73°F (23°C)	4.3 ft·lb/in ²	9.0 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°F (-40°C)	14 ft·lb/in ²	30 kJ/m ²	
73°F (23°C)	19 ft·lb/in ²	40 kJ/m ²	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	469 °F	243 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	428 °F	220 °C	ISO 75-2/A
Melting Temperature ⁴	486 °F	252 °C	ISO 11357-3
CLTE			ISO 11359-2
Flow	7.8E-6 in/in/°F	1.4E-5 cm/cm/°C	
Flow : -40 to 73°F (-40 to 23°C)	1.1E-5 in/in/°F	2.0E-5 cm/cm/°C	
Transverse	5.0E-5 in/in/°F	9.0E-5 cm/cm/°C	
Transverse : -40 to 73°F (-40 to 23°C)	4.1E-5 in/in/°F	7.3E-5 cm/cm/°C	
RTI Elec			UL 746
0.0157 in (0.400 mm)	311 °F	155 °C	
0.0295 in (0.750 mm)	311 °F	155 °C	
0.0591 in (1.50 mm)	311 °F	155 °C	



Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Comparative Tracking Index (CTI)	PLC 2	PLC 2	UL 746
Comparative Tracking Index	225 V	225 V	IEC 60112
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.0138 in (0.350 mm)	V-0	V-0	
	• V-2	• V-2	
0.0591 in (1.50 mm)	• 5VA	• 5VA	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.

⁴ 10°C/min



Where to Buy

Supplier

DuPont Performance Polymers
Wilmington, DE USA
Telephone: 302-999-4592
Web: <http://plastics.dupont.com/>

Distributor

Biesterfeld Plastic GmbH

Biesterfeld Plastic GmbH is a Pan European distribution company. Contact Biesterfeld Plastic GmbH for availability of individual products by country.

Telephone: +49-40-32008-0

Web: <http://www.biesterfeld-plastic.com/>

Availability: Algeria, Austria, Belgium, Bosnia and Herzegovina, Brazil, Bulgaria, Croatia, Cyprus, Czech Republic, Egypt, France, Germany, Greece, Hungary, Italy, Libyan Arab Jamahiriya, Luxembourg, Mauritania, Morocco, Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Tunisia, Turkey

CCC Plastics

Telephone: 800-465-6917

Web: <http://www.cccplastics.com/>

Availability: Canada

PolyOne Distribution

PolyOne Distribution is a global distribution company. Contact PolyOne Distribution for availability of individual products by country.

Telephone: 800-894-4266

Web: <http://polyonedistribution.com/>

Availability: Global

