

Rynite® FG530 NC011

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

30% Glass Reinforced Polyethylene Terephthalate Developed for Food Contact Applications

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Mold Release		
Forms	Pellets		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PET-GF30<		
Resin ID (ISO 1043)	PET-GF30		
Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.80	%	
Flow	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10500	MPa	ISO 527-2
Tensile Stress (Break)	162	MPa	ISO 527-2
Tensile Strain (Break)	2.1	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	242	°C	ISO 75-2/A
Melting Temperature ¹	257	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	250	V	IEC 60112
NOTE			
1.	10°C/min		

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