

Rynite® RE5329 BK503

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

36% Glass Reinforced Polyethylene Terephthalate

General Information	
Filler / Reinforcement	Glass Fiber,36% Filler by Weight
Additive	Mold Release
Forms	Pellets
Processing Method	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)
	Secant Modulus vs. Strain (ISO 11403-1)
	Tensile Modulus vs. Temperature (ISO 11403-1)

Physical	Nominal Value	Unit	Test Method
Density	1.63	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	20.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.80	%	
Flow	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11000	MPa	ISO 527-2
Tensile Stress (Break)	110	MPa	ISO 527-2
Tensile Strain (Break)	2.2	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.4	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	21	kJ/m ²	ISO 179/1eU

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