

Nylene® 5143 HS

Polyamide 66

Custom Resins Group

Message:

43% glass fiber reinforced, heat stabilized nylon 6/6.

Has the heat and chemical resistance inherent in nylon resins, while the glass fiber reinforcement gives greatly increased strength and stiffness
Suitable for such applications as brackets, levers, covers, and other uses where high strength and stiffness are required

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Chemical Resistance		
	Heat Stabilized		
	High Stiffness		
	High Strength		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	183	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	%	ASTM D638
Flexural Modulus (23°C)	9650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	°C	ASTM D648
Peak Melting Temperature	254	°C	ASTM D3418

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Recommended distributors for this material

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