

Nylene® 5150 HS

Polyamide 66

Custom Resins Group

Message:

50% glass fiber reinforced, heat-stabilized nylon 6/6 injection molding resin

Formulated to exhibit maximum stiffness for the most demanding applications

Should be used in parts and tools specifically designed to accommodate such high glass fiber loadings, in order to maximize part performance

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Stiffness		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	193	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	10100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	249	°C	ASTM D648
Peak Melting Temperature	254	°C	ASTM D3418

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Recommended distributors for this material

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