

Nylene® 5250 HS

Polyamide 6

Custom Resins Group

Message:

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

Specifically designed for maximum strength and stiffness while maintaining the heat and chemical resistance typical of nylon 6 resins

Suitable for brackets, enclosures, valve bodies, and other uses where maximum strength and stiffness are required

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Chemical Resistance		
	High Stiffness		
	High Strength		
Uses	Valves/Valve Parts		
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)	200	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	10300	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)	210	°C	ASTM D648
Peak Melting Temperature	216	°C	ASTM D3418

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Recommended distributors for this material

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