

Nylene® 5213 HS

Polyamide 6
Custom Resins Group

Message:

13% glass fiber reinforced, heat-stabilized nylon 6 injection molding resin
Heat and chemical resistance and excellent surface appearance associated with nylon 6 resins
Improved strength and stiffness properties over unreinforced nylon
Suitable for uses such as handles and levers, brackets, housings and enclosures

General Information			
Filler / Reinforcement	Glass Fiber,13% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Chemical Resistance		
	Good Stiffness		
	Good Strength		
	Heat Stabilized		
	Pleasing Surface Appearance		
Uses	Handles		
	Housings		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	110	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	5170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	199	°C	ASTM D648
Peak Melting Temperature	216	°C	ASTM D3418

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

