

Nylene® 321 HS

Polyamide 6
Custom Resins Group

Message:

Impact modified, heat stabilized nylon 6 injection molding resin.
Inherent heat and chemical resistance typical of nylon 6 resins, while having higher toughness for uses where some impact may occur during service
Suitable for such applications as clips, fasteners, safety restraint components, and uses which require higher toughness and flexibility

General Information			
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Good Chemical Resistance		
	Good Flexibility		
	Heat Stabilized		
	High Heat Resistance		
	Impact Modified		
	Ultra High Toughness		
Uses		Fasteners	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	55.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	100	%	ASTM D638
Flexural Modulus (23°C)	1930	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	53.9	°C	ASTM D648
Peak Melting Temperature	216	°C	ASTM D3418

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Recommended distributors for this material

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