

# Nylene® 421 HS

Polyamide 6

Custom Resins Group

Message:

Impact modified, heat stabilized nylon 6 injection molding resin.

Nylene 421 HS has the inherent heat and chemical resistance typical of nylon 6 resins, while having higher toughness for uses where 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		
	Good Toughness		
	Heat Stabilized		
	Impact Modified		
Uses	Fasteners		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	49.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	ASTM D638
Flexural Modulus (23°C)	1720	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	57.2	°C	ASTM D648
Peak Melting Temperature	216	°C	ASTM D3418

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