

Nylene® 4121 HS

Polyamide 66

Custom Resins Group

Message:

Impact-modified, heat-stabilized, nylon 6/6 molding resin with high impact strength possessing excellent wear properties

General Information	
Additive	Impact Modifier
Features	Good Wear Resistance
	Impact Modified
	Low Friction
	Ultra High Toughness
Uses	Bearings
	Bushings
	Grommets

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	42.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	60	%	ASTM D638
Flexural Modulus (23°C)	1590	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	127	°C	ASTM D648
Peak Melting Temperature	197	°C	ASTM D3418

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Recommended distributors for this material

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WECHAT