

Nylene® 411 HS

Polyamide 66
Custom Resins Group

Message:

Toughened, heat-stabilized nylon 6/6
Exhibits an improved impact resistance and flexibility over unmodified nylons, especially at lower temperatures
Retains the excellent chemical and heat resistance typical of all nylon products
Suitable for applications such as clips, fasteners, safety restraint parts, and other parts with snap fit or clip features

General Information			
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Good Chemical Resistance		
	Good Flexibility		
	Good Impact Resistance		
	Heat Stabilized		
	Impact Modified		
	Low Temperature Impact Resistance		
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)	53.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	45	%	ASTM D638
Flexural Modulus (23°C)	2020	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)	54.4	°C	ASTM D648
Peak Melting Temperature	254	°C	ASTM D3418

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