

# Nylene® 4114 HS

Polyamide 66

Custom Resins Group

Message:

Heat-stabilized, impact-modified nylon 6/6 molding resin with high impact strength and increased flexibility  
Approved for automotive use under Ford Motor Company specification ESA-M4D379-B and ASTM D4066 PA0161

General Information	
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Additive	Heat Stabilizer Impact Modifier
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Features	Good Flexibility Good Impact Resistance Heat Stabilized Impact Modified
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Physical	Nominal Value	Unit	Test Method
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Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.4	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
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Tensile Strength (23°C)	48.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	60	%	ASTM D638
Flexural Modulus (23°C)	1710	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
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Notched Izod Impact (23°C)	960	J/m	ASTM D256
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Thermal	Nominal Value	Unit	Test Method
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Deflection Temperature Under Load (1.8 MPa, Unannealed)	58.9	°C	ASTM D648
Peak Melting Temperature	260	°C	ASTM D3418

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## Recommended distributors for this material

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