

Nylene® 4114

Polyamide 66

Custom Resins Group

Message:

Impact-modified nylon 6/6 molding resin with high impact strength and increased flexibility

Recognized by Underwriters Laboratories and is approved for automotive use under Ford Motor Company specification ESA-M4D379-A and Chrysler Corporation specification MS-DB41 CPN 3466.

General Information			
Additive	Impact Modifier		
Features	Good Flexibility		
	High Impact Resistance		
	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1860	MPa	ASTM D638
Tensile Strength (23°C)	49.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	60	%	ASTM D638
Flexural Modulus (23°C)	1740	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	180	J/m	
23°C	860	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648
Peak Melting Temperature	258	°C	ASTM D3418
Flammability	Nominal Value		Test Method
Flame Rating (0.830 mm)	HB		UL 94

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Recommended distributors for this material

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