

Nylene® 4114-33 HSL

Polyamide 66

Custom Resins Group

Message:

33% glass fiber reinforced, impact modified, heat-stabilized nylon 6/6

Useful in applications which require the stiffness of 33% glass fiber reinforcement, but also benefit from improved toughness, especially in dry or cold environments

Suitable for applications such as brackets, housings, seating components, handles, and other similar uses

General Information	
Filler / Reinforcement	Glass Fiber,33% Filler by Weight
Additive	Heat Stabilizer
	Impact Modifier
Features	Good Stiffness
	Good Toughness
	Heat Stabilized
	Impact Modified
Uses	Handles
	Housings

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	117	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	%	ASTM D638
Flexural Modulus (23°C)	6550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	234	°C	ASTM D648
Peak Melting Temperature	259	°C	ASTM D3418

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