

# Nylene® 9533

Polyamide 612

Custom Resins Group

Message:

33% glass fiber reinforced heat stabilized nylon 6/12

Has the specific chemical properties and reduced moisture absorption of nylon 6/12 resins while adding glass reinforcement to increase strength and stiffness

Suitable in applications where typical nylon 6 or 6/6 may be unsuitable due to moisture absorption or specific chemical requirements

General Information	
Filler / Reinforcement	Glass Fiber,33% Filler by Weight
Additive	Heat Stabilizer
Features	Good Stiffness
	Good Strength
	Heat Stabilized
	Low Moisture Absorption

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	131	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	%	ASTM D638
Flexural Modulus (23°C)	7240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Peak Melting Temperature	224	°C	ASTM D3418

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## Recommended distributors for this material

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