

# Nylene® 5133 HS

Polyamide 66

Custom Resins Group

Message:

33% glass fiber reinforced, heat stabilized nylon 6/6.

Heat and chemical resistance inherent in nylon resins, while the glass fiber reinforcement gives greatly increased strength and stiffness.

Suitable for such applications as brackets, levers, covers, and other uses where strength and stiffness are required.

The ASTM line call out is D4066 PA012G33.

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9380	MPa	ASTM D638
Tensile Strength (Yield)	179	MPa	ASTM D638
Flexural Modulus	8550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-5°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	250	°C	ISO 75-2/A
Peak Melting Temperature	262	°C	ASTM D3418

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## Recommended distributors for this material

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