

Nylene® 9633

Polyamide 66/6 Copolymer

Custom Resins Group

Message:

33% glass fiber reinforced PA 6,6/6 injection molding grade

High strength and stiffness of reinforced nylon, lower crystallinity associated with nylon 6,6/6

Suitable for handles and levers, housings, brackets, and other similar uses. NC-101 would indicate Natural color

UV for UV protection and UW for Weatherability.

General Information			
Filler / Reinforcement	Glass Fiber, 33% Filler by Weight		
Features	High Stiffness		
	High Strength		
Uses	Handles		
	Housings		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	186	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.4	%	ASTM D638
Flexural Modulus (23°C)	8960	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	530	J/m	
23°C	130	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	245	°C	
1.8 MPa, Unannealed	207	°C	
Peak Melting Temperature	255	°C	ASTM D3418

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