

Nylene® 9643

Polyamide 66/6 Copolymer

Custom Resins Group

Message:

43% 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,43% Filler by Weight		
Features	High Stiffness		
	High Strength		
Uses	Handles		
	Housings		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	179	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	9510	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	230	°C	
1.8 MPa, Unannealed	220	°C	
Peak Melting Temperature	235	°C	ASTM D3418

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

