

Nylene® 5143 MS

Polyamide 66

Custom Resins Group

Message:

Low wear 43% glass fiber reinforced nylon 6/6

Provides a low friction and low wear surface while maintaining the high strength and stiffness required from a glass fiber reinforced material

Suitable for applications such as bushings and bearings, wear plates, caterpillar tracks, and other parts where wear may be an issue

General Information	
Filler / Reinforcement	Glass Fiber,43% Filler by Weight
Features	Good Wear Resistance High Stiffness High Strength Low Friction
Uses	Bearings Bushings

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	183	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	%	ASTM D638
Flexural Modulus (23°C)	9650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	°C	ASTM D648
Peak Melting Temperature	254	°C	ASTM D3418

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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

