

Generic Nylon 66/6 - Mineral

Polyamide 66/6 Copolymer

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Nylon 66/6 - Mineral
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Mineral filler		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.35 - 1.38	g/cm ³	ISO 1183
Molding Shrinkage (23°C)	0.38 - 1.4	%	ISO 294-4
Water Absorption			ISO 62
Saturated, 23°C	5.8 - 7.0	%	ISO 62
Equilibrium, 23°C, 50% RH	1.8 - 2.0	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	180 - 191	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5060 - 8540	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	74.2 - 92.5	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0 - 7.2	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.8 - 8.2	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	30 - 71	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	110 - 250	°C	ISO 75-2/B
1.8 MPa, not annealed	85.7 - 192	°C	ISO 75-2/A
Continuous Use Temperature	108 - 220	°C	ASTM D794
Melting Temperature (DSC)	243 - 260	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (23°C)	25 - 32	kV/mm	IEC 60243-1
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 80.5	°C	
Drying Time	3.0 - 3.2	hr	
Processing (Melt) Temp	275 - 295	°C	
Mold Temperature	80.0 - 80.5	°C	
Injection instructions			

This data represents typical values that have been calculated from all products classified as: Generic Nylon 66/6 - Mineral
This information is provided for comparative purposes only.

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

