

UNITIKA Nylon 66 B2040G33

Polyamide 66

UNITIKA Plastics Division

Message:

UNITIKA Nylon 66 B2040G33 is a Polyamide 66 (Nylon 66) material filled with 33% glass fiber. It is available in Asia Pacific or North America.

Typical applications include:

Electrical/Electronic Applications

Automotive

General Information				
Filler / Reinforcement		Glass Fiber,33% Filler by Weight		
Uses		Automotive Electronics		
		Electrical Parts		
		Electrical/Electronic Applications		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.39	1.39	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow : 3.20 mm	0.80	0.80	%	
Flow : 3.20 mm	0.30	0.30	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.7	1.7	%	ISO 62
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	--		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1000	6700	MPa	ISO 527-2
Tensile Stress (Break)	170	125	MPa	ISO 527-2
Tensile Strain (Break)	3.0	4.0	%	ISO 527-2
Flexural Modulus	9000	6500	MPa	ISO 178
Flexural Stress	260	190	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	10	14	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	75	80	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	250	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	230	--	°C	ISO 75-2/A
CLTE - Flow	4.0E-5	4.0E-5	cm/cm/°C	ISO 11359-2

Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+14	--	ohms·cm	IEC 60093
Electric Strength (1.00 mm)	35	--	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	3.50	--		IEC 60250
Dissipation Factor (1 MHz)	0.020	--		IEC 60250

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

