

Cheng Yu N6G45

Polyamide 6
Cheng Yu Plastic Company Limited

Message:
Cheng Yu N6G45 is a Polyamide 6 (Nylon 6) product filled with 45% glass fiber. It is available in Asia Pacific. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.30 to 0.40	%	
Across Flow	0.90 to 1.1	%	
Water Absorption (Saturation)	1.2 to 2.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	183	MPa	ASTM D638
Flexural Strength	285	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	250	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Dielectric Constant (60 Hz)	3.50		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94

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Recommended distributors for this material

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