

NYLOY® NG-0033N 21KFB

Polyamide 6
Nytex Composites Co., Ltd.

Message:

NYLOY® NG-0033N 21KFB is a polyamide 6 (nylon 6) material, and the filler is 33% glass fiber reinforced material. This product is available in North America or Asia Pacific.

NYLOY® The main features of NG-0033N 21KFB are:

flame retardant/rated flame

Conductivity

insulation

General Information			
UL YellowCard	E135714-222631		
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Features	Heat conduction		
	Insulation		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.61	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.70	%	ASTM D955
Transverse flow	0.25	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	103	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	11800	MPa	ASTM D790
Flexural Strength	177	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	215	°C	ASTM D648
Thermal Conductivity			ASTM E1461
-- ¹	1.0	W/m/K	ASTM E1461
-- ²	2.5	W/m/K	ASTM E1461
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.6 mm)	HB		UL 94
NOTE			
1.	Through-plane		

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