

NYLOY® TG-0035B-1

Polyethylene Terephthalate

Nytex Composites Co., Ltd.

Message:

NYLOY®TG-0035B-1 is a polyethylene terephthalate (PET) material, which contains a 35% glass fiber reinforced material. This product is available in North America or Asia Pacific.

NYLOY®The main features of the TG-0035B-1 are:

flame retardant/rated flame

Conductivity

insulation

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight		
Features	Heat conduction		
	Insulation		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.80	%	ASTM D955
Transverse flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	110	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	14100	MPa	ASTM D790
Flexural Strength	167	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	200	°C	ASTM D648
Thermal Conductivity			ASTM E1461
-- ¹	1.3	W/m/K	ASTM E1461
-- ²	4.5	W/m/K	ASTM E1461
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.6 mm)	HB		UL 94
NOTE			
1.	Through-plane		
2.	In-plane		

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Recommended distributors for this material

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