

NYLOY® CM-5000 8025B1

Polyamide 6
Nytex Composites Co., Ltd.

Message:

NYLOY®CM-5000 8025B1 is a polyamide 6 (nylon 6) material. This product is available in North America or Asia Pacific.

NYLOY®The main features of CM-5000 8025B1 are:

flame retardant/rated flame

Conductivity

Flame Retardant

General Information			
UL YellowCard	E135714-101407110		
Features	Conductivity		
	Heat conduction		
	Flame retardancy		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	ASTM D955
Transverse flow	0.75	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	63.7	MPa	ASTM D638
Tensile Elongation (Break)	1.3	%	ASTM D638
Flexural Modulus	11300	MPa	ASTM D790
Flexural Strength	108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	195	°C	ASTM D648
Thermal Conductivity			ASTM E1461
-- 1	3.0	W/m/K	ASTM E1461
-- 2	10	W/m/K	ASTM E1461
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6	ohms	IEC 61340-4-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.2 mm)	V-0		UL 94
NOTE			
1.	Through-plane		
2.	In-plane		

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Recommended distributors for this material

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