



NYTEX COMPOSITES CO., LTD.

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Product Information

NYLOY[®] CM-5000 8045B2

• Nylon • Thermal and electrical conductive flame retardant grade • Black

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm ²	780
Elongation	ASTM D638	%	1.1
Flexural Strength	ASTM D790	kg/cm ²	1150
Flexural Modulus	ASTM D790	kg/cm ²	110000
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm	3.5
THERMAL			
Heat Deflection Temp (4.6kg/cm ²) (0.46MPa)	ASTM D648	°C	205
Conductivity Through-plane In-plane	ASTM E1461	W/m*K	4.5
ELECTRICAL			
Surface Resistance	ASTM D4496	Ohm-P-SQ	10 ⁵
OTHER			
Density	ASTM D792	g/cm ³	1.52
Mold Shrinkage // flow ⊥ flow	ASTM D955	%	0.3 0.68
Flammability	UL-94	3.2mm	V0
REMARK			
(1)This data is for reference only.			