



NYTEX COMPOSITES CO., LTD.

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Product Information

NYLOY[®] CM-5000 C807BFG

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

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm ² (MPa)	650 (63.8)
Elongation	ASTM D638	%	0.7
Flexural Strength	ASTM D790	kg/cm ² (MPa)	1000 (98.1)
Flexural Modulus	ASTM D790	kg/cm ² (MPa)	150000 (14720.3)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	3.5 (34.3)
THERMAL			
Heat Deflection Temp (18.6kg/cm ²) (1.82MPa)	ASTM D648	°C	205
Conductivity Through-plane In-plane	ASTM E1461	W/m*K	6.5
ELECTRICAL			
Surface Resistance	IEC 60093	Ohm-P-SQ	1E+5
OTHER			
Density	ASTM D792	g/cm ³	1.57
Mold Shrinkage	ASTM D955	%	0.25
Flammability	UL-94	3.2mm	V0
REMARK			
(1)This data is for reference only.			