



NYTEX COMPOSITES CO., LTD.

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Product Information

NYLOY[®] CM-5000 I003BG

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

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm ² (MPa)	1300 (127.6)
Elongation	ASTM D638	%	1.8
Flexural Strength	ASTM D790	kg/cm ² (MPa)	2150 (211.0)
Flexural Modulus	ASTM D790	kg/cm ² (MPa)	142000 (13935.2)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	9.0 (88.2)
THERMAL			
Heat Deflection Temp (18.6kg/cm ²) (1.82MPa)	ASTM D648	°C	213
Conductivity	ISO 22007-2	W/m*K	2.5
ELECTRICAL			
Surface Resistance	ASTM D4496	Ohm-P-SQ	10 ⁷
OTHER			
Density	ASTM D792	g/cm ³	1.55
Mold Shrinkage	ASTM D955	%	0.1
REMARK			
(1)This data is for reference only.			