



# SHANGHAI NYTEX COMPOSITES

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## Product Information

## NYLOY<sup>®</sup> CM-5000 I003BG

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

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