



**NYPLA INDUSTRIAL CO., LTD.**

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## Product Information

## NYLOY<sup>®</sup> CM-5000 C809BF

• 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)	420 (41.2)
Elongation	ASTM D638	%	0.6
Flexural Strength	ASTM D790	kg/cm <sup>2</sup> (MPa)	700 (68.7)
Flexural Modulus	ASTM D790	kg/cm <sup>2</sup> (MPa)	135000 (13248.3)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	2.0 (19.6)
<b>THERMAL</b>			
Heat Deflection Temp (4.6kg/cm <sup>2</sup> ) (0.46MPa)	ASTM D648	°C	205
Conductivity Through-plane In-plane	ASTM E1461	W/m*K	9
<b>ELECTRICAL</b>			
Surface Resistance	ASTM D4496	Ohm-P-SQ	10 <sup>3</sup>
<b>OTHER</b>			
Density	ASTM D792	g/cm <sup>3</sup>	1.6
Mold Shrinkage // flow	ASTM D955	%	0.15
⊥ flow		%	0.2
Flammability	UL-94	3.2mm	V0
<b>REMARK</b>			
(1)This data is for reference only.			