



# NYTEX COMPOSITES CO., LTD.

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## NYLOY<sup>®</sup> KF-0030N I805BG

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

## Product Information

PROPERTY	METHOD	UNIT	RESULT
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	kg/cm <sup>2</sup> (MPa)	800 (78.5)
Elongation	ASTM D638	%	1.3
Flexural Strength	ASTM D790	kg/cm <sup>2</sup> (MPa)	1300 (127.6)
Flexural Modulus	ASTM D790	kg/cm <sup>2</sup> (MPa)	145000 (14229.6)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	5.0 (49)
<b>THERMAL</b>			
Heat Deflection Temp (18.6kg/cm <sup>2</sup> ) (1.82MPa)	ASTM D648	°C	205
Conductivity Through-plane In-plane	ASTM E1461	W/m*K	4.5
<b>ELECTRICAL</b>			
Surface Resistance	ASTM D4496	Ohm-P-SQ	10 <sup>5</sup>
<b>OTHER</b>			
Density	ASTM D792	g/cm <sup>3</sup>	1.52
Mold Shrinkage // flow	ASTM D955	%	0.2
⊥ flow		%	0.4
Flammability	UL-94	3.2mm	V0
<b>REMARK</b>			
(1)This data is for reference only.			