



# NYTEX COMPOSITES CO., LTD.

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## Product Information

## NYLOY<sup>®</sup> KF-0030N R811BS

- Nylon
- Electrical insulative thermal conductive
- flame retardant
- Black

PROPERTY	METHOD	UNIT	RESULT
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	kg/cm <sup>2</sup> (MPa)	400 (39.2)
Elongation	ASTM D638	%	6
Flexural Strength	ASTM D790	kg/cm <sup>2</sup> (MPa)	750 (73.5)
Flexural Modulus	ASTM D790	kg/cm <sup>2</sup> (MPa)	38000 (3725.5)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	4.5 (44.1)
<b>THERMAL</b>			
Heat Deflection Temp (4.6kg/cm <sup>2</sup> ) (0.46MPa)	ASTM D648	°C	180
Conductivity	ISO 22007-2	W/m*K	0.8
<b>ELECTRICAL</b>			
Surface Resistance	ASTM D257	Ohm-P-SQ	>1E+12
Electric Breakdown Voltage	Nytex Method	KV	>10
<b>OTHER</b>			
Density	ASTM D792	g/cm <sup>3</sup>	1.57
Mold Shrinkage	ASTM D955		
// flow		%	0.7
⊥ flow		%	1.2
Flammability	UL-94	3.2mm	V0
<b>REMARK</b>			
(1)This data is for reference only.			