



# NYTEX COMPOSITES CO., LTD.

TEL:02-26963366 FAX:02-26963399  
http://www.nytex.com.tw

## Product Information

## NYLOY<sup>®</sup> KF-0030N 301BLT

• Nylon • Electrical insulative thermal conductive  
halogen-free flame retardant • Black

PROPERTY	METHOD	UNIT	RESULT
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	kg/cm <sup>2</sup> (MPa)	525 (51.5)
Elongation	ASTM D638	%	1.5
Flexural Strength	ASTM D790	kg/cm <sup>2</sup> (MPa)	920 (90.2)
Flexural Modulus	ASTM D790	kg/cm <sup>2</sup> (MPa)	72000 (7058.8)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	3.0 (29.4)
<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	1.0
<b>ELECTRICAL</b>			
Surface Resistance	ASTM D257	Ohm-P-SQ	>1E+12
<b>OTHER</b>			
Density	ASTM D792	g/cm <sup>3</sup>	1.605
Mold Shrinkage // flow ⊥ flow	ASTM D955	%	0.4 0.7
Flammability	UL-94	3.2mm	V0
<b>REMARK</b>			
(1)This data is for reference only.			