



NYTEX COMPOSITES CO., LTD.

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Product Information

NYLOY[®] KF-0030N R811WS

• Nylon • Electrical insulative thermal conductive
toughness flame retardant • White

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm ² (MPa)	420 (41.1)
Elongation	ASTM D638	%	4.5
Flexural Strength	ASTM D790	kg/cm ² (MPa)	900 (88.2)
Flexural Modulus	ASTM D790	kg/cm ² (MPa)	50000 (4902.0)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	4.5 (37.2)
THERMAL			
Heat Deflection Temp (4.6kg/cm ²) (0.46MPa)	ASTM D648	°C	185
Conductivity	ASTM E1461		
Through-plane		W/m*K	1
In-plane			
ELECTRICAL			
Surface Resistance	ASTM D257	Ohm-P-SQ	>1E+12
OTHER			
Density	ASTM D792	g/cm ³	1.69
Mold Shrinkage	ASTM D955		
// flow		%	0.4
⊥ flow		%	0.8
Flammability	UL-94	3.2mm	V0
REMARK			
(1)This data is for reference only.			