



NYPLA INDUSTRIAL CO., LTD.

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Product Information

NYLOY[®] KF-0030N C601WKS

• Nylon • Electrical insulative thermal conductive
 halogen free flame retardant grade • White

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm ² (MPa)	240 (23.5)
Elongation	ASTM D638	%	2.3
Flexural Strength	ASTM D790	kg/cm ² (MPa)	600 (58.8)
Flexural Modulus	ASTM D790	kg/cm ² (MPa)	55000 (5392.2)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	2.5 (24.5)
THERMAL			
Heat Deflection Temp (4.6kg/cm ²) (0.46MPa)	ASTM D648	°C	160
Conductivity Through-plane In-plane	ASTM E1461	W/m*K	1
ELECTRICAL			
Surface Resistance	ASTM D257	Ohm-P-SQ	>1E+12
OTHER			
Density	ASTM D792	g/cm ³	1.5
Mold Shrinkage // flow	ASTM D955	%	0.8
⊥ flow		%	1
Flammability	UL-94	1.6mm	V0
REMARK			
(1)This data is for reference only.			
(2)Breakdown Voltage Test > 5KV			