SHANGHAI NYTEX COMPOSITES
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Product Information

NYLOY® KF-0030N 313WLS

● Nylon ● Electrical insulative thermal conductive grade ● White

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm^2	640
Elongation	ASTM D638	%	1.5
Flexural Strength	ASTM D790	kg/cm^2	1100
Flexural Modulus	ASTM D790	kg/cm^2	96000
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm	2.9
THERMAL			
Heat Deflection Temp	ASTM D648		
($4.6kg/cm^2$) (0.46MPa)		°C	193
Conductivity	ASTM E1461		
Through-plane		W/m*K	1.3
In-plane			
ELECTRICAL			
Surface Resistance	ASTM D257	Ohm-P-SQ	>1E+12
OTHER			
Density	ASTM D792	g/cm^3	1.72
Mold Shrinkage	ASTM D955		
// flow		%	0.65
⊥ flow		%	0.45
Flammability	UL-94	3.2mm	V0

REMARK

(1)This data is for reference only.
(2)Breakdown Voltage Test > 5KV