



SHANGHAI NYTEX COMPOSITES

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Product Information

NYLOY[®] NG-0050N-S

• Nylon 6 • 50% Glass Fiber Reinforced • Natural

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	psi	31294.45
Elongation	ASTM D638	%	3
Flexural Strength	ASTM D790	psi	44807.97
Flexural Modulus	ASTM D790	psi	1564722.62
IZOD Impact, Notched 1/8" 73.4°F	ASTM D256	ft-lb/in	3.39
IZOD Impact, Notched 1/8" -4°F	ASTM D256	ft-lb/in	-
Hardness Rockwell R Scale	ASTM D785	-	-
Hardness Shore D	ASTM D2240	-	-
THERMAL			
Heat Deflection Temp	ASTM D648		
264 psi		°F	410
66 psi		°F	428
ELECTRICAL			
Arc Resistance	ASTM D495	sec	-
CTI,solution A	IEC 60112	-	600
OTHER			
Density	ASTM D792	lb/in ³	0.0484
Mold Shrinkage ⁽²⁾	ASTM D955	x10 ⁻³ in/in	1.5-2.5
Moisture Contents	-	%	0.2
Flammability	UL-94	1/16 in	HB
	UL-94	1/8 in	-
REMARK			
⁽¹⁾ This data is for reference only.			
⁽²⁾ Shrinkage parallel to flow. Test box dimensions of base(129×2.7×3.2) mm.			