



NYTEX COMPOSITES CO., LTD.

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Product Information

NYLOY[®] NG-0050N

• Nylon 6 • 50% Glass Fiber Reinforced • Natural

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	psi	29871.98
Elongation	ASTM D638	%	2
Flexural Strength	ASTM D790	psi	41251.78
Flexural Modulus	ASTM D790	psi	1792318.63
IZOD Impact, Notched 1/8" 73.4°F	ASTM D256	ft-lb/in	4.04
IZOD Impact, Notched 1/8" -4°F	ASTM D256	ft-lb/in	-
Hardness Rockwell R Scale	ASTM D785	-	R-119
Hardness Shore D	ASTM D2240	-	-
THERMAL			
Heat Deflection Temp	ASTM D648		
264 psi		°F	419
66 psi		°F	-
ELECTRICAL			
Arc Resistance	ASTM D495	sec	-
CTI,solution A	IEC 60112	-	-
OTHER			
Density	ASTM D792	lb/in ³	0.0485
Mold Shrinkage ⁽²⁾	ASTM D955	x10 ⁻³ in/in	1-2
Moisture Contents	-	%	-
Flammability	UL-94	1/16 in	-
	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.			