



# NYTEX COMPOSITES CO., LTD.

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## Product Information

## NYLOY<sup>®</sup> MG-0050N

• Nylon 66 • 50%Glass Fiber Reinforced • Natural

PROPERTY	METHOD	UNIT	RESULT
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	psi	32005.69
Elongation	ASTM D638	%	1.5
Flexural Strength	ASTM D790	psi	42674.25
Flexural Modulus	ASTM D790	psi	1792318.63
IZOD Impact, Notched 1/8" 73.4°F	ASTM D256	ft-lb/in	3.49
IZOD Impact, Notched 1/8" -4°F	ASTM D256	ft-lb/in	-
Hardness Rockwell R Scale	ASTM D785	-	R-120
Hardness Shore D	ASTM D2240	-	-
<b>THERMAL</b>			
Heat Deflection Temp	ASTM D648		
264 psi		°F	491
66 psi		°F	-
<b>ELECTRICAL</b>			
Arc Resistance	ASTM D495	sec	-
CTI,solution A	IEC 60112	-	-
<b>OTHER</b>			
Density	ASTM D792	lb/in <sup>3</sup>	0.0482
Mold Shrinkage <sup>(2)</sup>	ASTM D955	x10 <sup>-3</sup> in/in	1-3
Moisture Contents	-	%	-
Flammability	UL-94	1/16 in	-
	UL-94	1/8 in	-
<b>REMARK</b>			
<sup>(1)</sup> This data is for reference only.			
<sup>(2)</sup> Shrinkage parallel to flow. Test box dimensions of base(129×2.7×3.2) mm.			