



# NYTEX COMPOSITES CO., LTD.

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## Product Information

## NYLOY<sup>®</sup> NG-0033N-V0

- Nylon 6
- 33% Glass Fiber Reinforced/Flame Retardant
- Natural

PROPERTY	METHOD	UNIT	RESULT
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	kg/cm <sup>2</sup> (MPa)	1450 (142.3)
Elongation	ASTM D638	%	2
Flexural Strength	ASTM D790	kg/cm <sup>2</sup> (MPa)	2050 (201.18)
Flexural Modulus	ASTM D790	kg/cm <sup>2</sup> (MPa)	9.52x10 <sup>4</sup> (9342.49)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	10.0 (98.04)
IZOD Impact, Notched 1/8" -20°C	ASTM D256	kg-cm/cm (J/M)	-
Hardness Rockwell R Scale	ASTM D785	-	R-117
Hardness Shore D	ASTM D2240	-	-
<b>THERMAL</b>			
Heat Deflection Temp	ASTM D648		
(18.6kg/cm <sup>2</sup> ) (1.82MPa)		°C	210
(4.6kg/cm <sup>2</sup> ) (0.46MPa)		°C	-
<b>ELECTRICAL</b>			
Arc Resistance	ASTM D495	sec	-
CTI,solution A	IEC 60112	-	-
<b>OTHER</b>			
Density	ASTM D792	g/cm <sup>3</sup>	1.605
Mold Shrinkage <sup>(2)</sup>	ASTM D955	x10 <sup>-3</sup> mm/mm	1.8-2.8
Moisture Contents	-	%	-
Flammability	UL-94	1.6mm	-
	UL-94	3.2mm	-
<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.			