



# NYTEX COMPOSITES CO., LTD.

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## Product Information

## NYLOY® PG-2040N

- PP • 40% Glass Fiber Reinforced • Natural

PROPERTY	METHOD	UNIT	RESULT
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	kg/cm <sup>2</sup> (MPa)	820 (80.47)
Elongation	ASTM D638	%	2
Flexural Strength	ASTM D790	kg/cm <sup>2</sup> (MPa)	125 (122.67)
Flexural Modulus	ASTM D790	kg/cm <sup>2</sup> (MPa)	7.50x10 <sup>4</sup> (7360.16)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	8.5 (83.33)
IZOD Impact, Notched 1/8" -20°C	ASTM D256	kg-cm/cm (J/M)	-
Hardness Rockwell R Scale	ASTM D785	-	R-106
Hardness Shore D	ASTM D2240	-	-
<b>THERMAL</b>			
Heat Deflection Temp	ASTM D648		
(18.6kg/cm <sup>2</sup> ) (1.82MPa)		°C	154
(4.6kg/cm <sup>2</sup> ) (0.46MPa)		°C	160
<b>ELECTRICAL</b>			
Arc Resistance	ASTM D495	sec	-
CTI,solution A	IEC 60112	-	-
<b>OTHER</b>			
Density	ASTM D792	g/cm <sup>3</sup>	1.28
Mold Shrinkage <sup>(2)</sup>	ASTM D955	x10 <sup>-3</sup> mm/mm	2-3
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.			