



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	kg/cm ² (MPa)	2100 (206.08)
Elongation	ASTM D638	%	2
Flexural Strength	ASTM D790	kg/cm ² (MPa)	2900 (284.59)
Flexural Modulus	ASTM D790	kg/cm ² (MPa)	1.26x10 ⁵ (12365.06)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	22.0 (215.69)
IZOD Impact, Notched 1/8" -20°C	ASTM D256	kg-cm/cm (J/M)	-
Hardness Rockwell R Scale	ASTM D785	-	R-119
Hardness Shore D	ASTM D2240	-	-
THERMAL			
Heat Deflection Temp	ASTM D648		
(18.6kg/cm ²) (1.82MPa)		°C	215
(4.6kg/cm ²) (0.46MPa)		°C	-
ELECTRICAL			
Arc Resistance	ASTM D495	sec	-
CTI,solution A	IEC 60112	-	-
OTHER			
Density	ASTM D792	g/cm ³	1.563
Mold Shrinkage ⁽²⁾	ASTM D955	x10 ⁻³ mm/mm	1-2
Moisture Contents	-	%	-
Flammability	UL-94	1.6mm	-
	UL-94	3.2mm	-
REMARK			
⁽¹⁾ This data is for reference only.			
⁽²⁾ Shrinkage parallel to flow. Test box dimensions of base(129×2.7×3.2) mm.			