



SHANGHAI NYTEX COMPOSITES

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Product Information

NYLOY® NG-0050N-S

• Nylon 6 • 50% Glass Fiber Reinforced • Natural

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm ² (MPa)	2200 (215.9)
Elongation	ASTM D638	%	3
Flexural Strength	ASTM D790	kg/cm ² (MPa)	3150 (309.13)
Flexural Modulus	ASTM D790	kg/cm ² (MPa)	1.1x10 ⁵ (10794.9)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	18.5 (181.37)
IZOD Impact, Notched 1/8" -20°C	ASTM D256	kg-cm/cm (J/M)	-
Hardness Rockwell R Scale	ASTM D785	-	-
Hardness Shore D	ASTM D2240	-	-
THERMAL			
Heat Deflection Temp	ASTM D648		
(18.6kg/cm ²) (1.82MPa)		°C	210
(4.6kg/cm ²) (0.46MPa)		°C	220
ELECTRICAL			
Arc Resistance	ASTM D495	sec	-
CTI,solution A	IEC 60112	-	600
OTHER			
Density	ASTM D792	g/cm ³	1.56
Mold Shrinkage ⁽²⁾	ASTM D955	x10 ⁻³ mm/mm	1.5-2.5
Moisture Contents	-	%	0.2
Flammability	UL-94	1.6mm	HB
	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.			