SHANGHAI NYTEX COMPOSITES
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Product Information

NYLOY® NG-1110BM-S

● Nylon 6 ● 10% Glass Fiber Reinforced/Impact Modified ● Black

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm^2 (MPa)	500 (49.07)
Elongation	ASTM D638	%	12
Flexural Strength	ASTM D790	kg/cm^2 (MPa)	750 (73.6)
Flexural Modulus	ASTM D790	kg/cm^2 (MPa)	2.3x10^4 (2257.11)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	14 (137.25)
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	-
(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	1.15
Mold Shrinkage(2)	ASTM D955	x10^{-3} mm/mm	6.5-8.5
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.