



SHANGHAI NYTEX COMPOSITES

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Product Information

NYLOY[®] MS-0100N

• Nylon 66 • Impact Modified • Natural

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm ² (MPa)	430 (42.2)
Elongation	ASTM D638	%	160
Flexural Strength	ASTM D790	kg/cm ² (MPa)	600 (58.88)
Flexural Modulus	ASTM D790	kg/cm ² (MPa)	1.54x10 ⁴ (1511.29)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	110.0 (1078.43)
IZOD Impact, Notched 1/8" -20°C	ASTM D256	kg-cm/cm (J/M)	80 (784.31)
Hardness Rockwell R Scale	ASTM D785	-	-
Hardness Shore D	ASTM D2240	-	D-72
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	1.070
Mold Shrinkage	ASTM D955		-
Normal		%	1.68
Parallel		%	1.53
Moisture Contents	-	%	-
Flammability	UL-94	1.6mm	-
	UL-94	3.2mm	-
REMARK			
(1) This data is for reference only.			