

NYLOY® MS-0100N

Polyamide 66
Nytex Composites Co., Ltd.

Message:

NYLOY® MS-0100N is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific or North America for injection molding. Primary attribute of NYLOY® MS-0100N: Impact Modified.

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.919	g/cm ³	ASTM D792
--	1.06	g/cm ³	ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow	1.5	%	
Across Flow	1.7	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	72		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	42.2	MPa	ASTM D638
--	40.0	MPa	ISO 527-2
Tensile Elongation			
Break	160	%	ASTM D638
Break	120	%	ISO 527-2
Flexural Modulus			
--	1510	MPa	ASTM D790
--	1300	MPa	ISO 178
Flexural Strength			
--	58.8	MPa	ASTM D790
--	54.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	80	kJ/m ²	
23°C	100	kJ/m ²	
Notched Izod Impact			ASTM D256
-20°C, 3.18 mm	780	J/m	

23°C, 3.18 mm	1100	J/m
Injection	Nominal Value	Unit
Drying Temperature	110	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	80.0	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China

