

NYLOY® NS-0300N

Polyamide 6

Nytex Composites Co., Ltd.

Message:

NYLOY® NS-0300N is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific or North America for injection molding. Primary attribute of NYLOY® NS-0300N: 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			
--	0.902	g/cm ³	ASTM D792
--	1.04	g/cm ³	ISO 1183
Molding Shrinkage			
Flow	1.2	%	ASTM D955, ISO 294-4
Across Flow	1.6	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	39.2	MPa	ASTM D638
--	35.0	MPa	ISO 527-2
Tensile Elongation			
Break	150	%	ASTM D638
Break	100	%	ISO 527-2
Flexural Modulus			
--	1400	MPa	ASTM D790
--	1150	MPa	ISO 178
Flexural Strength			
--	52.0	MPa	ASTM D790
--	45.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	100	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 3.18 mm)	1000	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	2.0 to 4.0	hr	

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Recommended distributors for this material

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