

NYLOY® D-0400N

Polycarbonate + ABS

Nytex Composites Co., Ltd.

Message:

NYLOY® D-0400N is a Polycarbonate + ABS (PC+ABS) material. It is available in Asia Pacific or North America for injection molding. Primary attribute of NYLOY® D-0400N: Impact Resistant.

General Information			
Features	High Impact Resistance		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.977	g/cm³	ASTM D792
--	1.11	g/cm³	ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow	0.66	%	
Across Flow	0.73	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	56.9	MPa	ASTM D638
--	48.0	MPa	ISO 527-2
Tensile Elongation			
Break	54	%	ASTM D638
Break	75	%	ISO 527-2
Flexural Modulus			
--	2350	MPa	ASTM D790
--	2220	MPa	ISO 178
Flexural Strength			
--	84.3	MPa	ASTM D790
--	78.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	35	kJ/m²	
23°C	45	kJ/m²	
Notched Izod Impact			ASTM D256
-20°C, 3.18 mm	270	J/m	
23°C, 3.18 mm	570	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	125	°C	ASTM D648
1.8 MPa, Unannealed	94.0	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	80.0	°C	

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Recommended distributors for this material

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