



# Prospector

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Combined Data Sheet

Thursday, August 30, 2007

Nyloy® MS-0100B  
 Nytex Composites Co., Ltd. (USA) - Polyamide 66

Unit System: English

Actions

Legend ([Open](#))

[ASTM Data Sheet](#) [Product Sourcing](#) [Product Alternatives](#) [Send this page](#) [Print this Page](#)

## General Information

### General

Material Status

- Commercial: Active

Availability

- North America

Test Standards Available

- ASTM

Additive

- Impact Modifier

Features

- Abrasion Resistance, Good
- Chemical Resistance, Good
- Electrically Insulating
- Impact Modified
- Toughness, Good

Uses

- Automotive Applications
- Connectors
- Electrical Parts
- Sporting Goods

Appearance

- Black

Forms

- Pellets

Processing Method

- Injection Molding

## ASTM and ISO Properties <sup>1</sup>

Physical

[Density -Specific Gravity](#)  
[Mold Shrink, Linear-Flow](#)

Nominal Value	Unit	Test Method
1.08	sp gr 23/23°C	ASTM D792
0.015 to 0.020	in/in	ASTM D955

Mechanical

[Tensile Strength @ Yield](#)  
[Tensile Elongation @ Yld](#)  
[Flexural Modulus](#)  
[Flexural Strength @ Yield](#)

Nominal Value	Unit	Test Method
6330	psi	ASTM D638
95	%	ASTM D638
172000	psi	ASTM D790
7400	psi	ASTM D790

Impact

[Notched Izod Impact](#)  
 (-40 °F, 0.125 in)  
 (73 °F, 0.125 in)

Nominal Value	Unit	Test Method
		ASTM D256
4.04	ft·lb/in	
18.9	ft·lb/in	

Hardness

[Durometer Hardness](#) (D Scale)

Nominal Value	Unit	Test Method
74		ASTM D2240

Thermal

Nominal Value	Unit	Test Method

[DTUL @66psi - Unannealed](#)

333

°F

ASTM D648

## Notes

1 Typical properties: these are not to be construed as specifications.

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