

## Technical Data

Product Description		
Nylon 66		
General		
Material Status	• Commercial: Active	
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>	
UL Yellow Card <sup>2</sup>	• <a href="#">E157012-224026</a>	
Search for UL Yellow Card	• <a href="#">Ravago Manufacturing Americas, LLC</a> • <a href="#">Hylon®</a>	
Availability	• North America	
RoHS Compliance	• RoHS Compliant	
Automotive Specifications	• CHRYSLER MS-DB-41 CPN3490 Color: Black 155	• CHRYSLER MS-DB-41 CPN3490 Color: Natural
UL File Number	• E157012	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.14 g/cm <sup>3</sup>	1.14 g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow (0.125 in (3.18 mm))	1.4 to 1.6 %	1.4 to 1.6 %	ISO 294-4
Water Absorption (73°F (23°C), 24 hr)	1.1 %	1.1 %	ISO 62

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	12000 psi	83.0 MPa	ISO 527-2
Tensile Strain (Break)	25 %	25 %	ISO 527-2
Flexural Modulus	421000 psi	2900 MPa	ISO 178
Flexural Stress	12500 psi	86.0 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179
--	3.1 ft·lb/in <sup>2</sup>	6.6 kJ/m <sup>2</sup>	
-22°F (-30°C)	2.5 ft·lb/in <sup>2</sup>	5.3 kJ/m <sup>2</sup>	
Notched Izod Impact Strength	2.6 ft·lb/in <sup>2</sup>	5.5 kJ/m <sup>2</sup>	ISO 180

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	392 °F	200 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	158 °F	70.0 °C	ISO 75-2/A

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 in (1.5 mm)	V-2	V-2	
0.12 in (3.0 mm)	V-2	V-2	

## Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

<sup>3</sup> Typical properties: these are not to be construed as specifications.

