

## AuroraGuard™ 66HSLU

Aurora Material Solutions, LLC - Polyamide 66

### General Information

#### Product Description

Heat Stabilized, Lubricated, UV Resistant Nylon 66

Formerly known as EnLon 66HSLU

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Heat Stabilizer	• Lubricant	
Features	• Heat Stabilized	• Lubricated	• UV Resistant
Uses	• Automotive Applications	• Industrial Applications	
Appearance	• Black	• Natural Color	
Processing Method	• Injection Molding		

### Properties <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.14		ASTM D792
Molding Shrinkage - Flow (0.126 in)	0.013 to 0.016	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Modulus	464000	psi	ASTM D638
Tensile Strength (Yield)	12300	psi	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	406000	psi	ASTM D790
Flexural Strength	15200	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F)	0.80	ft-lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	383	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	158	°F	ASTM D648
<b>Flammability</b>			
Flame Rating (0.03 in)	V-2		UL 94

### Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	175	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	480 to 530	°F
Middle Temperature	500 to 550	°F
Front Temperature	520 to 570	°F
Nozzle Temperature	520 to 570	°F
Processing (Melt) Temp	520 to 570	°F
Mold Temperature	120 to 190	°F

