

## AuroraGuard™ 66IM3

Aurora Material Solutions, LLC - Polyamide 66

### General Information

#### Product Description

Impact Modified Nylon 66

Formerly known as EnLon 66IM3

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Impact Modifier		
Features	• Impact Modified		
Uses	• Automotive Applications	• Industrial Applications	
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.09		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8800	psi	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Modulus	320000	psi	ASTM D790
Flexural Strength	13000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	3.0	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	165	°F	ASTM D648

### Processing Information

Injection	Nominal Value	Unit
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

#### Injection Notes

Maximum Drying Time 4.0 hrs

