

**AuroraGuard™ PA66IM-79268**

Aurora Material Solutions, LLC - Polyamide 66

**General Information**
**Product Description**

AuroraGuard™ PA66IM-79268 is a High Impact, Modified, Heat Stabilized, Lubricated, Nylon 66 Black Injection Molding Grade.

**General**

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

**Properties <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	1.08		ASTM D792
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength (Yield)	6600	psi	ASTM D638
Tensile Elongation (Break)	> 50	%	ASTM D638
Flexural Modulus	275000	psi	ASTM D790
Flexural Strength	10000	psi	ASTM D790
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact (73°F)	13	ft·lb/in	ASTM D256
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (264 psi, Unannealed)	160	°F	ASTM D648

**Processing Information**

<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
Drying Temperature	175	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	520 to 550	°F
Middle Temperature	530 to 560	°F
Front Temperature	540 to 570	°F
Nozzle Temperature	530 to 560	°F
Processing (Melt) Temp	550 to 580	°F
Mold Temperature	150 to 250	°F
<b>Injection Notes</b>		
Maximum Drying Time 4.0 hrs		

