

**AuroraGuard™ 6640MFHS**

Aurora Material Solutions, LLC - Polyamide 66

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

Heat Stabilized, 40% Mineral Filled Nylon 66

Formerly known as EnLon 6640MFHS

**General**

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Mineral, 40% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized
Uses	• Automotive Applications • Industrial Applications
Appearance	• Black • Colors Available • Natural Color
Processing Method	• Injection Molding

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.50		ASTM D792
<b>Mechanical</b>			
Tensile Strength (Yield)	11500	psi	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	950000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F)	0.90	ft-lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	390	°F	ASTM D648

**Processing Information**

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	520 to 540	°F
Middle Temperature	540 to 570	°F
Front Temperature	540 to 580	°F
Nozzle Temperature	550 to 580	°F
Processing (Melt) Temp	550 to 580	°F
Mold Temperature	180 to 220	°F
Back Pressure	20.0 to 60.0	psi
Screw Speed	60 to 120	rpm
<b>Injection Notes</b>		
Maximum Drying Time 4.0 hrs		

