

## AuroraGuard™ F06625GF

Aurora Material Solutions, LLC - Polyamide 66

### General Information

#### Product Description

25% Glass Filled, Heat Stabilized, Lubricated Nylon 66, V0 at 1.5 mm

Formerly known as EnLon F06625GF

#### General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Additive	• Heat Stabilizer • Lubricant
Features	• Heat Stabilized • Lubricated
Uses	• Automotive Applications • Material Handling
Appearance	• Black
Processing Method	• Injection Molding

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.35		ASTM D792
Molding Shrinkage - Flow (0.126 in)	3.0E-3	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Strength (Yield)	19000	psi	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	1.09E+6	psi	ASTM D790
Flexural Strength	20000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact	1.2	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	450	°F	ASTM D648
<b>Flammability</b>			
Flame Rating (0.06 in)	V-0		UL 94
<b>Additional Information</b>			
Filler Content	25	%	

### Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	550 to 570	°F
Middle Temperature	530 to 550	°F
Front Temperature	510 to 530	°F
Nozzle Temperature	540 to 560	°F
Processing (Melt) Temp	550 to 580	°F
Mold Temperature	150 to 210	°F
Back Pressure	20.0 to 60.0	psi
Screw Speed	40 to 120	rpm

#### Injection Notes

Maximum Drying Time 4 hrs

