

**AuroraGuard™ 6635GF**

Aurora Material Solutions, LLC - Polyamide 66

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

Heat Stabilized, Lubricated, 35% Glass Fiber Reinforced Nylon 66

Formerly known as EnLon 6635GF

**General**

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight
Additive	• Heat Stabilizer • Lubricant
Features	• Heat Stabilized • Lubricated
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	1.40		ASTM D792
Molding Shrinkage - Flow (0.126 in)	4.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28000	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	1.50E+6	psi	ASTM D790
Flexural Strength	40000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.5	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	490	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	478	°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	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 250	°F

**Injection Notes**

Maximum Drying Time 4.0 hrs

