

**AuroraGuard™ PEI130GF**

Aurora Material Solutions, LLC - Polyetherimide

## General Information

**Product Description**

Molding Grade PEI

Formerly known as EnTor 130GF

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Metallizable		
Uses	• Automotive Applications	• Electrical/Electronic Applications	
Appearance	• Black		
Processing Method	• Injection Molding	• Profile Extrusion	

 Properties <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.51		ASTM D792
Melt Mass-Flow Rate (MFR) (337°C/6.6 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.126 in)	4.0E-3	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Strength (Yield)	24000	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	1.25E+6	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F)	1.0	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	410	°F	ASTM D648
<b>Flammability</b>			
Flame Rating			UL 94
0.06 in		V-0	
0.13 in		5VA	

## Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	300	°F
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	630 to 750	°F
Middle Temperature	640 to 750	°F
Front Temperature	650 to 750	°F
Nozzle Temperature	650 to 750	°F
Processing (Melt) Temp	660 to 750	°F
Mold Temperature	275 to 325	°F

**Injection Notes**

Maximum Drying Time: 8.0 hrs.

