

## AuroraGuard™ 15GFHF

Aurora Material Solutions, LLC - *Polybutylene Terephthalate*

### General Information

#### Product Description

High Flow 5%, Glass Filled

Formerly known as EnCounter 15GFHF

#### General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 5.0% Filler by Weight
Features	• Chemical Resistant • High Flow • High Gloss
Appearance	• Black • Colors Available • Natural Color
Processing Method	• Injection Molding

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.35		ASTM D792
Molding Shrinkage - Flow (0.126 in)	0.014	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7500	psi	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	350000	psi	ASTM D790
Flexural Strength	11000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.1	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	280	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	250	°F	ASTM D648

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	250	°F
Drying Time	3.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	450 to 480	°F
Middle Temperature	460 to 490	°F
Front Temperature	470 to 500	°F
Nozzle Temperature	460 to 490	°F
Processing (Melt) Temp	470 to 500	°F
Mold Temperature	120 to 170	°F

#### Injection Notes

Maximum Drying Time 4 hrs

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

