Technical Data

Product Description

20% Glass Filled PPE/PS Alloy

Formerly known as EnLoy 2010GF

General			
Material Status	Commercial: Active		
Literature ¹	Literature LibraryTechnical Datasheet		
Search for UL Yellow Card	 Aurora Material Solutions, LL AuroraGuard[™] 	С	
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America
Filler / Reinforcement	Glass Fiber, 20% Filler by Weight		
Uses	 Automotive Applications 	 Business Equipment 	
Appearance	Black	Colors Available	Natural Color
Processing Method	 Injection Molding 	Profile Extrusion	

Nominal Value Unit	Test Method
1.13 g/cm ³	ASTM D792
0.50 %	ASTM D955
Nominal Value Unit	Test Method
57.0 MPa	ASTM D638
3.0 %	ASTM D638
3790 MPa	ASTM D790
97.0 MPa	ASTM D790
Nominal Value Unit	Test Method
96 J/m	ASTM D256
Nominal Value Unit	Test Method
	ASTM D648
128 °C	
122 °C	
Nominal Value Unit	Test Method
HB	UL 94
	Nominal Value Unit 1.13 g/cm³ 0.50 % Nominal Value Unit 57.0 MPa 3790 MPa 97.0 MPa 97.0 MPa Nominal Value Unit 96 J/m Nominal Value Unit 128 °C 122 °C Nominal Value Unit HB

Injection	Nominal Value Unit	
Drying Temperature	93 to 107 °C	
Drying Time	2.0 to 4.0 hr	
Suggested Max Moisture	0.020 %	
Suggested Shot Size	40 to 75 %	
Rear Temperature	260 to 299 °C	
Middle Temperature	266 to 304 °C	
Front Temperature	277 to 310 °C	
Nozzle Temperature	288 to 310 °C	
Processing (Melt) Temp	288 to 310 °C	
Mold Temperature	77 to 104 °C	



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AuroraGuard[™] 2010GF

Polyphenylene Ether + PS Aurora Material Solutions, LLC



Injection	Nominal Value Unit
Back Pressure	0.172 to 0.689 MPa
Screw Speed	20 to 100 rpm
Vent Depth	0.038 to 0.076 mm
Injection Notes	

Maximum Drying Time 4.0 hrs.

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.



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