

AuroraGuard™ F03250

Aurora Material Solutions, LLC - Polycarbonate + ABS

General Information

Product Description

Flame Retardant Injection Grade Alloy

Formerly known as EnValoy F03250

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant		
Uses	• Appliances	• Electrical/Electronic Applications	• Power/Other Tools
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.18		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	22	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.126 in)	5.0E-3	in/in	ASTM D955
Mechanical			
Tensile Strength (Yield)	8800	psi	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	380000	psi	ASTM D790
Flexural Strength	13500	psi	ASTM D790
Impact			
Gardner Impact	250	in·lb	ASTM D3029
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	216	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	201	°F	ASTM D648
Flammability			
Flame Rating			UL 94
0.06 in		V-0	
0.13 in		5VA	

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	185	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.040	%
Rear Temperature	420 to 480	°F
Middle Temperature	420 to 500	°F
Front Temperature	460 to 520	°F
Nozzle Temperature	460 to 525	°F
Processing (Melt) Temp	460 to 525	°F
Mold Temperature	130 to 180	°F
Injection Notes		
Max drying time 4 hrs		

