

## AuroraGuard™ 3010

Aurora Material Solutions, LLC - Polycarbonate + ABS

### General Information

#### Product Description

Post Industrial Injection Molding Grade PC/ABS

Formerly known as EnValoy 3010

#### General

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

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.12		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.126 in)	6.0E-3	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Strength (Yield)	8350	psi	ASTM D638
Tensile Elongation (Break)	> 75	%	ASTM D638
Flexural Modulus	329000	psi	ASTM D790
Flexural Strength	12500	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F)	10	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	230	°F	ASTM D648

### Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	200 to 210	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	480 to 520	°F
Middle Temperature	490 to 520	°F
Front Temperature	490 to 530	°F
Nozzle Temperature	480 to 520	°F
Processing (Melt) Temp	480 to 520	°F
Mold Temperature	140 to 200	°F

