

## AuroraGuard™ 3010P

Aurora Material Solutions, LLC - Polycarbonate + ABS

### General Information

#### Product Description

Injection Grade PC/ABS Paintable Platable

Formerly known as EnValoy 3010P

#### General

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

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

Physical	Nominal Value	Unit	Test Method
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
Mechanical	Nominal Value	Unit	Test Method
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
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	10	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	230	°F	ASTM D648

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180 to 200	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	446 to 482	°F
Middle Temperature	464 to 500	°F
Front Temperature	464 to 500	°F
Nozzle Temperature	482	°F
Mold Temperature	122 to 158	°F
Back Pressure	72.5 to 363	psi
Screw Speed	50 to 80	rpm
Injection Notes		
Maximum Drying Time 4.0 hrs		

