

**AuroraGuard™ GPP1001V0M-HCO**

Aurora Material Solutions, LLC - Polypropylene

**General Information**
**Product Description**

A polypropylene compound designed for injection molded industrial battery, electrical housing or appliance applications. It affords medium impact resistance with a high level of flame retardancy.

Note: Additional custom color matching is available upon request.

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant		
Features	• Flame Retardant	• Good Impact Resistance	
Uses	• Appliance Components	• Electrical/Electronic Applications	
	• Batteries	• Industrial Applications	
Appearance	• Colors Available		
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	0.962 to 1.00		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 to 7.0	g/10 min	ASTM D1238
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength (Yield)	2700	psi	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus - Tangent	175000	psi	ASTM D790B
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact	1.7	ft·lb/in	ASTM D256
Instrumented Dart Impact	180	in·lb	ASTM D5420
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating (0.06 in)	V-0		UL 94
Oxygen Index	28	%	ASTM D2863

**Notes**

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

