

**AuroraGuard™ GPP1001V0M-HCO-30**

Aurora Material Solutions, LLC - Polypropylene

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

A UL-94 V-0 rated, 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

**General**

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

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.01 to 1.05		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35 to 40	g/10 min	ASTM D1238
<b>Mechanical</b>			
Tensile Strength (Yield)	3000	psi	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus - Tangent	175000	psi	ASTM D790B
<b>Impact</b>			
Notched Izod Impact	0.75	ft·lb/in	ASTM D256
Instrumented Dart Impact	71.7	in·lb	ASTM D5420
<b>Flammability</b>			
Flame Rating (0.06 in)	V-0		UL 94
Oxygen Index (0.125 in)	28	%	ASTM D2863

**Processing Information**

	Nominal Value	Unit
<b>Injection</b>		
Rear Temperature	375	°F
Middle Temperature	370	°F
Front Temperature	360	°F
Nozzle Temperature	340	°F
Processing (Melt) Temp	365	°F

**Injection Notes**

Die Temperature: 275-380 F

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