

**AuroraGuard™ GPP1001M-P**

Aurora Material Solutions, LLC - Polypropylene

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

A High impact resistant, non-blooming flame-retardant polypropylene compound designed for UL94 V-0 injection molding applications.

Note: Additional custom color matching is available upon request.

**General**

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

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.982 to 1.02		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15 to 21	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3700	psi	ASTM D638
Tensile Strength (Break)	1490	psi	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus - Tangent	200000	psi	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.2	ft·lb/in	ASTM D256
Instrumented Dart Impact	144	in·lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	367	°F	ASTM D648B
Flammability	Nominal Value	Unit	Test Method
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.

