

**AuroraGuard™ AP2501BNT1000**

Aurora Material Solutions, LLC - Polyvinyl Chloride

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

A higher temperature PVC powder extrusion compound for interior applications.

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	
Features	• Tack Free		
Uses	• Aerospace Applications	• Consumer Applications	• Medical/Healthcare Applications
	• Agricultural Applications	• Electrical/Electronic Applications	• Rail Applications
	• Appliances	• Energy Storage	• Siding Applications
	• Automotive Applications	• Fencing & Decking	
Appearance	• Colors Available		
Forms	• Powder		
Processing Method	• Extrusion		

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	1.38		ASTM D792
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	500000	psi	ASTM D638
Tensile Strength	6380	psi	ASTM D638
Flexural Modulus	431000	psi	ASTM D790
Flexural Strength	11200	psi	ASTM D790
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact (73°F)	2.9	ft·lb/in	ASTM D256
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Durometer Hardness (Shore D)	77		ASTM D2240
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (264 psi, Annealed)	171	°F	ASTM D648
Ball Pressure Test (185°F)	Pass		IEC 60695-10-2
CLTE - Flow	3.5E-5	in/in/°F	ASTM D696
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating			UL 94
0.04 in		HB	
0.12 in		HB	
Glow Wire Flammability Index			IEC 60695-2-12
0.04 in	1760	°F	
0.12 in	1760	°F	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.04 in	1810	°F	
0.12 in	1810	°F	

