

**AuroraTec™ AP2237DNT1000**

Aurora Material Solutions, LLC - Polyvinyl Chloride

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

A high rate, high impact PVC powder, extrusion compound, for interior applications as well as substrates. Used for thick and thin walled parts

NSF Standard 51

**General**

Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>		
Availability	<ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> </ul>	<ul style="list-style-type: none"> <li>Europe</li> <li>Latin America</li> </ul>	<ul style="list-style-type: none"> <li>North America</li> </ul>
Features	<ul style="list-style-type: none"> <li>High Flow</li> <li>High Impact Resistance</li> </ul>		
Uses	<ul style="list-style-type: none"> <li>Agricultural Applications</li> <li>Appliances</li> <li>Automotive Applications</li> <li>Consumer Applications</li> <li>Electrical/Electronic Applications</li> </ul>	<ul style="list-style-type: none"> <li>Fencing &amp; Decking</li> <li>Film</li> <li>Medical/Healthcare Applications</li> <li>Outdoor Applications</li> <li>Rail Applications</li> </ul>	<ul style="list-style-type: none"> <li>Sheet</li> <li>Spas</li> <li>Windows &amp; Doors</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Powder</li> </ul>		
Processing Method	<ul style="list-style-type: none"> <li>Extrusion</li> </ul>		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.37		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (72°F)	420000	psi	ASTM D638
Tensile Strength (Yield, 72°F)	6470	psi	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	5.3	ft·lb/in	ASTM D256
Drop Impact Resistance			ASTM D4226
72°F, Extruded at 380 to 390° F melt temperature <sup>2</sup>	1.50	in·lb/mil	
72°F, Extruded at 380 to 390° F melt temperature <sup>3</sup>	> 3.80	in·lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 72°F)	77 to 83		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	158	°F	ASTM D648
CLTE - Flow (72°F)	3.2E-5	in/in/°F	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in, ALL)	V-0		UL 94

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

<sup>2</sup> Procedure A

<sup>3</sup> Procedure B
