

## AuroraTec™ AP1250

Aurora Material Solutions, LLC - Polyvinyl Chloride

### General Information

#### Product Description

A high rate, midrange gloss, PVC powder extrusion compound for weatherable applications. Typical test results for ASTM D-4216. This is a Rigid PVC formulation per the requirements of AAMA 303-05.

Testing was performed on actual window parts with a wall thickness of 0.100". This material meets/exceeds cell class 1-20131-13 as required in ASTM D-4726.

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
Features	• Good Rigidity • High Flow • Medium Gloss
Uses	• Outdoor Applications
Agency Ratings	• AAMA 303 05 • ASTM D4726
Appearance	• Colors Available
Forms	• Powder
Processing Method	• Extrusion

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.46		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	367000	psi	ASTM D638
Tensile Strength	6600	psi	ASTM D638
Flexural Modulus	385000	psi	ASTM D790
Flexural Strength	11600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	19	ft·lb/in	ASTM D256
Dart Impact <sup>2</sup>			ASTM D4226
Procedure A	2	in·lb/mil	
Procedure B	> 4	in·lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	158	°F	ASTM D648
CLTE - Flow	2.5E-5	in/in/°F	ASTM D696

### Notes

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

<sup>2</sup> Min Failure

