

## AuroraTec™ AP1531A

Aurora Material Solutions, LLC - Polyvinyl Chloride

### General Information

#### Product Description

A rigid PVC powder extrusion compound designed for applications requiring excellent melt strength, superior flow and excellent physical properties.

Typical test results for ASTM D-4216. This is a rigid PVC formulation per the requirements of AAMA 303. 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 • Europe • North America • Asia Pacific • Latin America
Features	• Good Rigidity • High Flow • High Melt Strength
Uses	• Construction Applications • Windows & Doors
Agency Ratings	• AAMA 303 • 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	391000	psi	ASTM D638
Tensile Strength	6370	psi	ASTM D638
Flexural Modulus	438000	psi	ASTM D790
Flexural Strength	11200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.5	ft-lb/in	ASTM D256
Dart Impact <sup>2</sup>			ASTM D4226
Procedure A	1	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)	165	°F	ASTM D648
CLTE - Flow	3.5E-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

