

**AuroraTec™ AP2456E**

Aurora Material Solutions, LLC - Polyvinyl Chloride

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

A general-purpose rigid PVC powder extrusion compound designed for applications requiring good melt strength, excellent color dispersion and excellent physical properties. AP2356E has the V-0 and 5VA UL94 listing.

**General**

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Dispersible • Good Melt Strength • General Purpose • Good Rigidity
Uses	• General Purpose
Appearance	• Colors Available
Forms	• Powder
Processing Method	• Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.42		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	400000	psi	ASTM D638
Tensile Strength	6400	psi	ASTM D638
Flexural Modulus	420000	psi	ASTM D790
Flexural Strength	11000	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)	77		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	165	°F	ASTM D648
CLTE - Flow	3.6E-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
