

AuroraTec™ AP2348C

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A high rate, moderate impact PVC powder compound designed for interior applications including substrates. AP2348C meets/exceeds 1-21432-33 per ASTM D4216.

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 | • High Flow | • Medium Impact Resistance | |
| Uses | • Agricultural Applications | • Fencing & Decking | • Sheet |
| | • Appliances | • Film | • Spas |
| | • Automotive Applications | • Medical/Healthcare Applications | • Windows & Doors |
| | • Consumer Applications | • Outdoor Applications | |
| | • Electrical/Electronic Applications | • Rail Applications | |
| Appearance | • Colors Available | | |
| Forms | • Powder | | |
| Processing Method | • Extrusion | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|---------------|-------------|
| Density / Specific Gravity | 1.46 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 363000 | psi | ASTM D638 |
| Tensile Strength | 6090 | psi | ASTM D638 |
| Flexural Modulus | 377000 | psi | ASTM D790 |
| Flexural Strength | 10400 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 1.8 | ft·lb/in | ASTM D256 |
| Dart Impact ² | | | ASTM D4226 |
| Procedure A | | 1 in·lb/mil | |
| Procedure B | | > 3 in·lb/mil | |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 78 to 80 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Annealed) | 160 | °F | ASTM D648 |
| CLTE - Flow | 3.4E-5 | in/in/°F | ASTM D696 |

Notes

¹ Typical properties: these are not to be construed as specifications.

² Min Failure

