

AuroraTec™ AP2237VNT1000

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

General

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

Properties ¹

| 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 ² | 1.50 | in·lb/mil | |
| 72°F, Extruded at 380 to 390° F melt temperature ³ | > 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 |

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

² Procedure A

³ Procedure B
