

AuroraGuard™ AP2454B

Aurora Material Solutions, LLC - Rigid Polyvinyl Chloride

General Information
Product Description

A high HDT rigid PVC powder compound designed for interior applications including substrates.

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 | | |
| Uses | • Aerospace Applications | • Consumer Applications | • Medical/Healthcare Applications |
| | • Agricultural Applications | • Electrical/Electronic Applications | • Rail Applications |
| | • Appliances | • Energy Storage | • Siding Applications |
| | • Automotive Applications | • Fencing & Decking | |
| Appearance | • Colors Available | | |
| Forms | • Powder | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|----------|-------------|
| Density / Specific Gravity | 1.33 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 460000 | psi | ASTM D638 |
| Tensile Strength | 7200 | psi | ASTM D638 |
| Flexural Modulus | 503000 | psi | ASTM D790 |
| Flexural Strength | 13000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 1.0 | ft·lb/in | ASTM D256 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 80 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Annealed) | 181 | °F | ASTM D648 |
| CLTE - Flow | 3.2E-5 | in/in/°F | ASTM D696 |

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