

AuroraTec™ AP4020B

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A high flow rigid PVC pellet compound designed for injection molding with high impact and excellent weathering properties.

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 | • Excellent Weather Resistance | • High Flow | |
| | • Good Rigidity | • High 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 | • Pellets | | |
| Processing Method | • Injection Molding | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|----------|-------------|
| Density / Specific Gravity | 1.44 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/21.6 kg) | 50 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 380000 | psi | ASTM D638 |
| Tensile Strength | 6070 | psi | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 2.5 | ft·lb/in | ASTM D256 |
| 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) | 154 | °F | ASTM D648 |

Notes

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

