

AuroraTec™ AP5120A

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A general-purpose rigid PVC pellet, extrusion compound designed for applications requiring good melt strength, excellent color dispersion and excellent physical 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 | • Dispersible • Good Melt Strength • General Purpose • Good Rigidity |
| Uses | • General Purpose |
| Forms | • Pellets |
| Processing Method | • Extrusion |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|----------------------|-------------|--------------------|
| Density / Specific Gravity | 1.43 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 390000 | psi | ASTM D638 |
| Tensile Strength | 6400 | psi | ASTM D638 |
| Flexural Modulus | 400000 | psi | ASTM D790 |
| Flexural Strength | 11500 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 16 | ft·lb/in | ASTM D256 |
| Dart Impact ² | | | ASTM D4226 |
| Procedure A | 1 | in·lb/mil | |
| Procedure B | > 4 | in·lb/mil | |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 74 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Annealed) | 162 | °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.

² Min Failure

