

AuroraTec™ AP1269HWH1029

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A general-purpose rigid PVC powder compound designed for extrusion applications requiring good melt strength, excellent processing, UV stability, and excellent physical properties.

Typical test results for ASTM D-4216. This is a Rigid PVC formulation per the requirements of AAMA 303-08. This material meets/exceeds cell class 1-20131-13 as required in ASTM D-4726.

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 | |
| Additive | • UV Stabilizer | | |
| Features | • Excellent Processability | • Good Melt Strength | • UV Stabilized |
| | • General Purpose | • Good Rigidity | |
| Uses | • General Purpose | | |
| Agency Ratings | • AAMA 303 08 | • ASTM D4726 | |
| 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 | 360000 | psi | ASTM D638 |
| Tensile Strength | 6600 | psi | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 17 | 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) | 79 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Annealed) | 158 | °F | ASTM D648 |
| CLTE - Flow | 3.6E-5 | in/in/°F | ASTM D696 |

Notes

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

² Min Failure

