

**AuroraTec™ AP5128**

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 weathering, low die swell and excellent physical properties. 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<br>• Asia Pacific            | • Europe<br>• Latin America             | • North America |
| Features          | • Excellent Weather Resistance<br>• General Purpose | • Good Melt Strength<br>• Good Rigidity | • Low Die Swell |
| Uses              | • General Purpose                                   |   |                 |
| Agency Ratings    | • AAMA 303 08                                       | • ASTM D4726                            |                 |
| Appearance        | • Colors Available                                  |   |                 |
| Forms             | • Pellets   |   |                 |
| Processing Method | • Extrusion   |   |                 |

**Properties <sup>1</sup>**

| Physical  | Nominal Value | Unit          | Test Method |
|---|---------------|---------------|-------------|
| Density / Specific Gravity                            | 1.46          |               | ASTM D792   |
| Mechanical  | Nominal Value | Unit          | Test Method |
| Tensile Modulus                                       | 345000        | psi           | ASTM D638   |
| Tensile Strength                                      | 6250          | psi           | ASTM D638   |
| Impact  | Nominal Value | Unit          | Test Method |
| Notched Izod Impact                                   | 12            | ft·lb/in      | ASTM D256   |
| Dart Impact <sup>2</sup>                              |               |               | ASTM D4226  |
| Procedure A   |               | 1 in·lb/mil   |             |
| Procedure B   |               | > 3 in·lb/mil |             |
| Thermal   | Nominal Value | Unit          | Test Method |
| Deflection Temperature Under Load (264 psi, Annealed) | 158           | °F            | ASTM D648   |
| CLTE - Flow   | 2.9E-5        | in/in/°F      | ASTM D696   |

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Min Failure

