

## AuroraTec™ AP1269AFWH1168

Aurora Material Solutions, LLC - Polyvinyl Chloride

### General Information

#### Product Description

A high rate, midrange gloss, PVC powder extrusion compound for weatherable applications.  
Typical test results for ASTM D-4216. This is a Rigid PVC formulation per the requirements of AAMA 303.

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          | • Good Rigidity                          | • High Flow                 | • Medium Gloss  |
| Uses              | • Outdoor Applications                   |                             |                 |
| Agency Ratings    | • AAMA 303                               | • ASTM D4726                |                 |
| Appearance        | • Colors Available                       |                             |                 |
| Forms             | • Powder                                 |                             |                 |
| Processing Method | • Extrusion                              |                             |                 |

### Properties <sup>1</sup>

| Physical                                              | Nominal Value | Unit      | Test Method |
|-------------------------------------------------------|---------------|-----------|-------------|
| Density / Specific Gravity                            | 1.47          |           | ASTM D792   |
| Mechanical                                            | Nominal Value | Unit      | Test Method |
| Tensile Modulus                                       | 370000        | psi       | ASTM D638   |
| Tensile Strength                                      | 6050          | psi       | ASTM D638   |
| Flexural Modulus                                      | 431000        | psi       | ASTM D790   |
| Flexural Strength                                     | 10700         | psi       | ASTM D790   |
| Impact                                                | Nominal Value | Unit      | Test Method |
| Notched Izod Impact                                   | 23            | ft·lb/in  | ASTM D256   |
| Dart Impact <sup>2</sup>                              |               |           | ASTM D4226  |
| Procedure A                                           | 1             | in·lb/mil |             |
| Procedure B                                           | > 4           | in·lb/mil |             |
| Hardness                                              | Nominal Value | Unit      | Test Method |
| Durometer Hardness (Shore D)                          | 77            |           | ASTM D2240  |
| Thermal                                               | Nominal Value | Unit      | Test Method |
| Deflection Temperature Under Load (264 psi, Annealed) | 165           | °F        | ASTM D648   |
| CLTE - Flow                                           | 3.5E-5        | in/in/°F  | ASTM D696   |
| Additional Information                                | Nominal Value | Unit      | Test Method |
| Cell Classification                                   | 1-41432-33    |           | ASTM D4216  |

### Notes

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

<sup>2</sup> Min Failure

