

## AuroraGuard™ AP5199C

Aurora Material Solutions, LLC - Chlorinated Polyvinyl Chloride

### General Information

#### Product Description

A rigid CPVC pellet extrusion compound designed for siding and profile  
AP5199 provides superior chemical resistance and high temperature performance.

#### General

|                   |                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|
| Material Status   | • Commercial: Active                                                              |
| Availability      | • Africa & Middle East • Europe • North America<br>• Asia Pacific • Latin America |
| Features          | • Chemical Resistant • Good Rigidity • High Heat Resistance                       |
| Uses              | • Profiles • Siding Applications                                                  |
| Forms             | • Pellets                                                                         |
| Processing Method | • Extrusion                                                                       |

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

| Physical                                              | Nominal Value | Unit     | Test Method |
|-------------------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity <sup>2</sup>               | 1.54          |          | ASTM D792   |
| Mechanical                                            | Nominal Value | Unit     | Test Method |
| Tensile Modulus                                       | 326000        | psi      | ASTM D638   |
| Tensile Strength                                      | 6530          | psi      | ASTM D638   |
| Flexural Modulus                                      | 335000        | psi      | ASTM D790   |
| Flexural Strength                                     | 12000         | psi      | ASTM D790   |
| Impact                                                | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                                   | 5.4           | ft·lb/in | ASTM D256   |
| Hardness                                              | Nominal Value | Unit     | Test Method |
| Rockwell Hardness (R-Scale)                           | 112           |          | ASTM D785   |
| Thermal                                               | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load (264 psi, Annealed) | 223           | °F       | ASTM D648   |
| CLTE - Flow                                           | 4.0E-5        | in/in/°F | ASTM D696   |
| Flammability                                          | Nominal Value | Unit     | Test Method |
| Flame Spread Index (60.0 mil)                         | 15 Class A    |          | ASTM E84    |
| Smoke Developed Index (60.0 mil)                      | 290           |          | ASTM E84    |
| Additional Information                                | Nominal Value | Unit     | Test Method |
| Cell Classification                                   | 24337         |          | ASTM D1784  |

### Notes

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

<sup>2</sup> Value for the White Version

