

## AuroraGuard™ AP5199ABK1031 w RTI

Aurora Material Solutions, LLC - Chlorinated Polyvinyl Chloride

### General Information

#### Product Description

A rigid CPVC pellet extrusion compound designed for siding and profile

#### General

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

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

| Physical                                              | Nominal Value | Unit     | Test Method |
|-------------------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity                            | 1.52          |          | 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   |
| RTI Elec                                              |               |          | UL 746B     |
| 0.04 in                                               | 221           | °F       |             |
| 0.12 in                                               | 221           | °F       |             |
| RTI Imp                                               |               |          | UL 746B     |
| 0.04 in                                               | 221           | °F       |             |
| 0.12 in                                               | 221           | °F       |             |
| RTI Str                                               |               |          | UL 746B     |
| 0.04 in                                               | 221           | °F       |             |
| 0.12 in                                               | 221           | °F       |             |
| Flammability                                          | Nominal Value | Unit     | Test Method |
| Flame Rating                                          |               |          | UL 94       |
| 0.04 in                                               | V-0           |          |             |
| 0.12 in                                               | 5VA           |          |             |

### Notes

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

