

# Aurora PVC AP1211 Series

Acrylic (PMMA) + PVC

Aurora Plastics, Inc.

## Message:

A Rigid PVC / Acrylic polymer blend used in exterior applications as a weatherable capstock.

| General Information                                     |               |                   |             |
|---|---------------|-------------------|-------------|
| Features  | High Rigidity |                   |             |
| Uses  | Capstock      |                   |             |
| Forms   | Powder        |                   |             |
| Physical  | Nominal Value | Unit              | Test Method |
| Specific Gravity  | 1.25 to 1.29  | g/cm <sup>3</sup> | ASTM D792   |
| Hardness  | Nominal Value | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                             | 101           |                   | ASTM D785   |
| Mechanical  | Nominal Value | Unit              | Test Method |
| Tensile Modulus   | 2040          | MPa               | ASTM D638   |
| Tensile Strength  |               |                   | ASTM D638   |
| Yield   | 42.7          | MPa               |             |
| Break   | 34.5          | MPa               |             |
| Tensile Elongation                                      |               |                   | ASTM D638   |
| Yield   | 4.6           | %                 |             |
| Break   | 48            | %                 |             |
| Flexural Modulus  | 1970          | MPa               | ASTM D790   |
| Flexural Strength (Break)                               | 62.1          | MPa               | ASTM D790   |
| Impact  | Nominal Value | Unit              | Test Method |
| Notched Izod Impact (23°C)                              | 150           | J/m               | ASTM D256   |
| Thermal   | Nominal Value | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 72.7          | °C                | ASTM D648   |

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