

**AuroraTec™ RM90011**

Aurora Material Solutions, LLC - Polyvinyl Chloride

**General Information**
**Product Description**

Rigid injection moulding pvc compounds, with good impact resistance and tensile strength

Application : Injection and extrusion applications that require high-flow, impact strength and extrudability.

Made in Canada

**General**

|                   |   |   |  |
|-------------------|---|---|--|
| Material Status   | • Commercial: Active  |   |  |
| Availability      | • Africa & Middle East<br>• Asia Pacific  | • Europe<br>• Latin America   | • North America                        |
| Features          | • Good Impact Resistance<br>• Good Rigidity   | • Good Tensile Strength<br>• High Flow  |  |
| Uses              | • Agricultural Applications<br>• Appliances<br>• Automotive Applications<br>• Consumer Applications<br>• Electrical/Electronic Applications | • Fencing & Decking<br>• Film<br>• Medical/Healthcare Applications<br>• Outdoor Applications<br>• Rail Applications | • Sheet<br>• Spas<br>• Windows & Doors |
| Appearance        | • Natural Color   |   |  |
| Forms             | • Pellets   | • Powder  |  |
| Processing Method | • Extrusion   | • Injection Molding   |  |

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

|   | Nominal Value    | Unit     | Test Method |
|---|------------------|----------|-------------|
| <b>Physical</b>                                       |                  |          |             |
| Density / Specific Gravity <sup>2</sup>               | 1.39             |          | ASTM D792   |
| Molding Shrinkage - Flow                              | 2.0E-3 to 5.0E-3 | in/in    | ASTM D955   |
| <b>Mechanical</b>                                     |                  |          |             |
| Tensile Modulus                                       | 390000           | psi      | ASTM D638   |
| Tensile Strength                                      | 6400             | psi      | ASTM D638   |
| Flexural Modulus                                      | 410000           | psi      | ASTM D790   |
| Flexural Strength                                     | 11500            | psi      | ASTM D790   |
| <b>Impact</b>   |                  |          |             |
| Notched Izod Impact (73°F, 0.126 in)                  | 14               | ft·lb/in | ASTM D256   |
| <b>Hardness</b>                                       |                  |          |             |
| Durometer Hardness (Shore D, 15 sec)                  | 80               |          | ASTM D2240  |
| <b>Thermal</b>  |                  |          |             |
| Deflection Temperature Under Load (264 psi, Annealed) | 160              | °F       | ASTM D648   |

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

<sup>2</sup> Value for Natural color version
