

# Aurora PVC AP2000 Series 081006

Polyvinyl Chloride  
Aurora Plastics, Inc.

Message:

A high rate, high impact PVC powder, extrusion compound, for interior application

| General Information                                           |                        |                   |             |
|---------------------------------------------------------------|------------------------|-------------------|-------------|
| Features                                                      | High Impact Resistance |                   |             |
| Forms                                                         | Powder                 |                   |             |
| Processing Method                                             | Extrusion              |                   |             |
| Physical                                                      | Nominal Value          | Unit              | Test Method |
| Specific Gravity                                              | 1.40 to 1.55           | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                                      | Nominal Value          | Unit              | Test Method |
| Durometer Hardness (Shore D, 22°C)                            | 77 to 83               |                   | ASTM D2240  |
| Mechanical                                                    | Nominal Value          | Unit              | Test Method |
| Tensile Modulus (22°C)                                        | 2550                   | MPa               | ASTM D638   |
| Tensile Strength (Yield, 22°C)                                | 42.1                   | MPa               | ASTM D638   |
| Flexural Modulus (22°C)                                       | 2410                   | MPa               | ASTM D790   |
| Flexural Strength (22°C)                                      | 79.3                   | MPa               | ASTM D790   |
| Impact                                                        | Nominal Value          | Unit              | Test Method |
| Notched Izod Impact (22°C)                                    | 660                    | J/m               | ASTM D256   |
| Drop Impact Resistance                                        |                        |                   | ASTM D4226  |
| 22°C, Extruded at 380 to 390° F melt temperature <sup>1</sup> | > 80.1                 | J/cm              |             |
| 22°C, Extruded at 380 to 390° F melt temperature <sup>2</sup> | > 178                  | J/cm              |             |
| Thermal                                                       | Nominal Value          | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed)       | 71.1                   | °C                | ASTM D648   |
| CLTE - Flow (22°C)                                            | 6.3E-5                 | cm/cm/°C          | ASTM D696   |
| Flammability                                                  | Nominal Value          |                   | Test Method |
| Flame Rating <sup>3</sup>                                     | HB                     |                   | ASTM D635   |
| NOTE                                                          |                        |                   |             |
| 1.                                                            | Procedure A            |                   |             |
| 2.                                                            | Procedure B            |                   |             |
| 3.                                                            | No flame spread        |                   |             |

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