

Geon™ Vinyl Dry Blend E6001

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Dry Blend E6001 is a Rigid Polyvinyl Chloride product. It can be processed by extrusion or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Household Applications. Primary characteristic: high flow.

| General Information | |
|---------------------|-------------------|
| UL YellowCard | E41877-234244 |
| Features | High Flow |
| Uses | Vertical Blinds |
| Forms | Powder |
| Processing Method | Extrusion |
| | Profile Extrusion |

| Physical | Nominal Value | Unit | Test Method |
|-------------------------|---------------|-------------------|-------------|
| Specific Gravity | 1.54 | g/cm ³ | ASTM D792 |
| PVC Cell Classification | 10264 | | ASTM D1784 |

| Hardness | Nominal Value | Unit | Test Method |
|------------------------------|---------------|------|-------------|
| Durometer Hardness (Shore D) | 84 | | ASTM D2240 |

| Mechanical | Nominal Value | Unit | Test Method |
|---------------------------------------|---------------|------|-------------|
| Tensile Modulus ¹ | 3720 | MPa | ASTM D638 |
| Tensile Strength ² (Yield) | 38.2 | MPa | ASTM D638 |
| Flexural Modulus | 3720 | MPa | ASTM D790 |
| Flexural Strength | 79.5 | MPa | ASTM D790 |

| Impact | Nominal Value | Unit | Test Method |
|--|---------------|------|-------------|
| Drop Impact Resistance ³ (23°C) | 22.2 | J/cm | ASTM D4226 |

| Thermal | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm) | 72.2 | °C | ASTM D648 |
| CLTE - Flow | 5.4E-5 | cm/cm/°C | ASTM D696 |

| Extrusion | Nominal Value | Unit |
|------------------|---------------|------|
| Melt Temperature | 191 to 199 | °C |

| NOTE | |
|------|-------------------------|
| 1. | Type I, 5.1 mm/min |
| 2. | Type I, 5.1 mm/min |
| 3. | Procedure A, C.125 Dart |

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