

Geon™ Vinyl Dry Blend E7364

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Dry Blend E7364 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. Applications of Geon™ Vinyl Dry Blend E7364 include construction applications and outdoor applications. Primary characteristic: impact resistant.

| General Information | | | |
|---------------------|------------------------|--|--|
| Features | High Impact Resistance | | |
| Uses | Building Materials | | |
| | Fencing & Decking | | |
| | Outdoor Applications | | |
| Forms | Powder | | |
| Processing Method | Extrusion | | |
| | Profile Extrusion | | |

| Physical | Nominal Value | Unit | Test Method |
|-------------------------|-----------------|-------------------|-------------|
| Specific Gravity | 1.46 | g/cm ³ | ASTM D792 |
| PVC Cell Classification | 1-41444-33-0101 | | ASTM D4216 |
| PVC Cell Classification | 16354 | | ASTM D1784 |

| Hardness | Nominal Value | Unit | Test Method |
|------------------------------|---------------|------|-------------|
| Durometer Hardness (Shore D) | 80 | | ASTM D2240 |

| Mechanical | Nominal Value | Unit | Test Method |
|---------------------------------------|---------------|------|-------------|
| Tensile Modulus ¹ | 2900 | MPa | ASTM D638 |
| Tensile Strength ² (Yield) | 45.9 | MPa | ASTM D638 |
| Flexural Modulus | 2960 | MPa | ASTM D790 |
| Flexural Strength | 89.6 | MPa | ASTM D790 |

| Impact | Nominal Value | Unit | Test Method |
|---|---------------|------|-------------|
| Notched Izod Impact - Across Flow (23°C, 3.18 mm, Compression Molded) | 1000 | J/m | ASTM D256A |
| Drop Impact Resistance | | | ASTM D4226 |
| 23°C ³ | 48.9 | J/cm | |
| 23°C ⁴ | 222 | J/cm | |

| Thermal | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm) | 73.9 | °C | ASTM D648 |
| CLTE - Flow | 6.0E-5 | cm/cm/°C | ASTM D696 |

| Additional Information | Nominal Value | Test Method |
|------------------------|---------------|-------------|
| AAMA 303 | Pass | ASTM D4726 |

| Extrusion | Nominal Value | Unit |
|------------------|-------------------------|------|
| Melt Temperature | 193 to 204 | °C |
| NOTE | | |
| 1. | Type I, 5.1 mm/min | |
| 2. | Type I, 5.1 mm/min | |
| 3. | Procedure A, C.125 Dart | |
| 4. | Procedure B, C.125 Dart | |

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