

Geon™ BIO RB7000

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

A flexible vinyl formulated to achieve a minimum level of 25% bio-based content and classified as a PolyOne Sustainable Solution

| General Information | | | |
|---|----------------------------|-------------------|-------------|
| Features | Non-Phthalate Plasticizer | | |
| | Renewable Resource Content | | |
| Uses | Building Materials | | |
| | Consumer Applications | | |
| | Industrial Applications | | |
| Forms | Pellets | | |
| Processing Method | Extrusion | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.26 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness | | | ASTM D2240 |
| Shore A | 71 | | |
| Shore A, 15 sec | 63 | | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ | | | ASTM D638 |
| Break | 12.6 | MPa | |
| 100% Strain | 4.47 | MPa | |
| Tensile Elongation ² (Break) | 450 | % | ASTM D638 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | -35.8 | °C | ASTM D746 |
| Flammability | Nominal Value | Unit | Test Method |
| Oxygen Index | 21 | % | ASTM D2863 |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 188 to 199 | °C | |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 171 to 182 | °C | |
| NOTE | | | |
| 1. | 510 mm/min | | |
| 2. | 510 mm/min | | |

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