



Geon™ Vinyl Flexible R295AE

Flexible Polyvinyl Chloride

Key Characteristics

| General | | | |
|-----------------------|--|-----------------------------|-----------------|
| Material Status | • Commercial: Active | | |
| Regional Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Features | • High Gloss | | |
| Uses | • Coating Applications | | |
| Forms | • Pellets | | |

Technical Properties ¹

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|-------------------------|--------------------|-------------|
| Specific Gravity | 1.30 | 1.30 | ASTM D792 |
| Mechanical | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Strength ² (100% Strain) | 1180 psi | 8.10 MPa | ASTM D638 |
| Tensile Strength ² (Break) | 2230 psi | 15.3 MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 330 % | 330 % | ASTM D638 |
| Hardness | Typical Value (English) | Typical Value (SI) | Test Method |
| Durometer Hardness | | | ASTM D2240 |
| Shore A | 82 | 82 | |
| Shore A, 15 sec | 75 | 75 | |
| Thermal | Typical Value (English) | Typical Value (SI) | Test Method |
| Brittleness Temperature | -35.0 °F | -37.2 °C | ASTM D746 |
| Flammability | Typical Value (English) | Typical Value (SI) | Test Method |
| Oxygen Index (0.125 in (3.18 mm)) | 25 % | 25 % | ASTM D2863 |
| Automotive Burn Test | 0 in/min | 0 mm/min | FMVSS 302 |

Processing Information

| Extrusion | Typical Value (English) | Typical Value (SI) |
|------------------|-------------------------|--------------------|
| Melt Temperature | 330 to 350 °F | 166 to 177 °C |

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

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