



## Geon™ Vinyl Flexible R295AE

### Flexible Polyvinyl Chloride

#### Key Characteristics

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

#### Technical Properties <sup>1</sup>

| Physical                                    | Typical Value (English) | Typical Value (SI) | Test Method |
|---------------------------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity                  | 1.30                    | 1.30               | ASTM D792   |
| Mechanical                                  | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Strength <sup>2</sup> (100% Strain) | 1180 psi                | 8.10 MPa           | ASTM D638   |
| Tensile Strength <sup>2</sup> (Break)       | 2230 psi                | 15.3 MPa           | ASTM D638   |
| Tensile Elongation <sup>2</sup> (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

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type IV, 20 in/min (510 mm/min)