

## PolyOne Geon™ Vinyl Flexible R290AE Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Flexible-R290AE-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-R290AE-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.30 g/cc | 1.30 g/cc | ASTM D792 |

| Mechanical Properties     | Metric   | English  | Comments                       |
|---------------------------|----------|----------|--------------------------------|
| Hardness, Shore D         | 60 - 64  | 60 - 64  | 15 sec; ASTM D2240             |
| Tensile Strength at Break | 23.8 MPa | 3450 psi | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break       | 200 %    | 200 %    | Type IV, 510 mm/min; ASTM D638 |

| Thermal Properties      | Metric   | English | Comments  |
|-------------------------|----------|---------|-----------|
| Brittleness Temperature | -2.78 °C | 27.0 °F | ASTM D746 |

| Processing Properties | Metric       | English      | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature      | 179 - 191 °C | 354 - 376 °F |          |
|                       | 193 - 210 °C | 379 - 410 °F |          |

| Descriptive Properties | Value                                        | Comments |
|------------------------|----------------------------------------------|----------|
| Additive               | UV Stabilizer                                |          |
| Appearance             | Clear/Transparent                            |          |
| Features               | High Gloss                                   |          |
|                        | UV Absorbing                                 |          |
| Forms                  | Pellets                                      |          |
| Generic Material       | PVC, Flexible                                |          |
| Generic Name           | Polyvinyl Chloride, Flexible (PVC, Flexible) |          |
| Processing Method      | Extrusion                                    |          |

| Descriptive Properties | Injection Molding Value | Comments |
|------------------------|-------------------------|----------|
|                        | Profile Extrusion       |          |
| Regional Availability  | Africa & Middle East    |          |
|                        | Asia Pacific            |          |
|                        | Europe                  |          |
|                        | North America           |          |
|                        | South America           |          |
| Uses                   | Profiles                |          |

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