

## PolyOne Geon™ Vinyl Flexible R313AE 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-R313AE-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-R313AE-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.43 g/cc | 1.43 g/cc | ASTM D792 |

| Mechanical Properties     | Metric   | English  | Comments                       |
|---------------------------|----------|----------|--------------------------------|
| Hardness, Shore A         | 74       | 74       | 15 sec; ASTM D2240             |
| Tensile Strength at Break | 14.5 MPa | 2100 psi | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break       | 330 %    | 330 %    | Type IV, 510 mm/min; ASTM D638 |

| Thermal Properties      | Metric                     | English                     | Comments   |
|-------------------------|----------------------------|-----------------------------|------------|
| Brittleness Temperature | -32.2 °C                   | -26.0 °F                    | ASTM D746  |
| Oxygen Index            | 29 %<br>@Thickness 3.18 mm | 29 %<br>@Thickness 0.125 in | ASTM D2863 |

| Processing Properties | Metric       | English      | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature      | 174 - 179 °C | 345 - 354 °F |          |

| Descriptive Properties | Value                                        | Comments |
|------------------------|----------------------------------------------|----------|
| Additive               | Biocide                                      |          |
| Features               | Flame Retardant                              |          |
| Forms                  | Pellets                                      |          |
| Generic Material       | PVC, Flexible                                |          |
| Generic Name           | Polyvinyl Chloride, Flexible (PVC, Flexible) |          |
| Processing Method      | Extrusion                                    |          |
| Regional Availability  | Africa & Middle East                         |          |
|                        | Asia Pacific                                 |          |

| Descriptive Properties | Value                     | Comments |
|------------------------|---------------------------|----------|
|                        | North America             |          |
|                        | South America             |          |
| Uses                   | Construction Applications |          |
|                        | Fabric Coatings           |          |

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