

PolyOne Geon™ Vinyl Flexible R343AE 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-R343AE-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.35 g/cc | 1.35 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|----------|----------|--------------------------------|
| Hardness, Shore A | 67 | 67 | 15 sec; ASTM D2240 |
| Tensile Strength at Break | 17.1 MPa | 2480 psi | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break | 400 % | 400 % | Type IV, 510 mm/min; ASTM D638 |

| Thermal Properties | Metric | English | Comments |
|-------------------------|----------|----------|-----------|
| Brittleness Temperature | -35.0 °C | -31.0 °F | ASTM D746 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 171 - 179 °C | 340 - 354 °F | |
| | 188 - 199 °C | 370 - 390 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|--|----------|
| Additive | Biocide | |
| | UV Stabilizer | |
| Features | Flame Retardant | |
| | Oil Resistant | |
| | UV Absorbing | |
| Forms | Pellets | |
| Generic Material | PVC, Flexible | |
| Generic Name | Polyvinyl Chloride, Flexible (PVC, Flexible) | |

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

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