

PolyOne Geon™ Vinyl Flexible R5257A White 759 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-R5257A-White-759-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.28 g/cc | 1.28 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---------------------------|--------------------------|--------------------------------|
| Hardness, Shore A | 58 | 58 | 15 sec; ASTM D2240 |
| Tensile Strength at Break | 13.1 MPa | 1900 psi | Type IV, 510 mm/min; ASTM D638 |
| Tensile Strength | 3.96 MPa @Strain 100 % | 574 psi @Strain 100 % | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break | 400 % | 400 % | Type IV, 510 mm/min; ASTM D638 |
| Tear Strength | 35.0 kN/m | 200 pli | Die C, 510 mm/min; ASTM D624 |

| Thermal Properties | Metric | English | Comments |
|-------------------------|----------|----------|-----------|
| Brittleness Temperature | -47.8 °C | -54.0 °F | ASTM D746 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 177 - 182 °C | 351 - 360 °F | |
| | 188 - 199 °C | 370 - 390 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|--|----------|
| Additive | Biocide | |
| Features | Good Weather Resistance | |
| | High Gloss | |
| Forms | Pellets | |
| Generic Material | PVC, Flexible | |
| Generic Name | Polyvinyl Chloride, Flexible (PVC, Flexible) | |

| Descriptive Properties <small>Processing Method</small> | Value <small>Extrusion</small> | Comments |
|---|--|-----------------|
| | Injection Molding | |
| Regional Availability | Africa & Middle East | |
| | Asia Pacific | |
| | Europe | |
| | North America | |
| | South America | |
| Uses | Construction Applications | |
| | Outdoor Applications | |
| | Seals | |
| | Weatherstripping | |

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