

PolyOne Geon™ Vinyl Flexible XV3684 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

All ingredients used in the formulation of this compound are listed in the United States FDA Code of Federal Regulations, Title 21. The only restriction is that the plasticizer is For foods of high water content only. This statement is only an overview of the FDA listings for this product. It is the customer's responsibility to ensure that the compound is suitable for its intended application. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-XV3684-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.17 g/cc | 1.17 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---------------------------|--------------------------|--------------------------------|
| Hardness, Shore A | 65 | 65 | 10 sec; ASTM D2240 |
| Tensile Strength at Break | 13.8 MPa | 2000 psi | Type IV, 510 mm/min; ASTM D638 |
| Tensile Strength | 4.83 MPa @Strain 100 % | 701 psi @Strain 100 % | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break | 380 % | 380 % | Type IV, 510 mm/min; ASTM D638 |

| Thermal Properties | Metric | English | Comments |
|-------------------------|----------|----------|-----------|
| Brittleness Temperature | -58.0 °C | -72.4 °F | ASTM D746 |

| Descriptive Properties | Value | Comments |
|------------------------|--|----------|
| Agency Ratings | CPSIA Compliant | |
| | FDA Unspecified Rating | |
| Appearance | Clear/Transparent | |
| Features | Non-Phthalate Plasticizer | |
| Forms | Pellets | |
| Generic Material | PVC, Flexible | |
| Generic Name | Polyvinyl Chloride, Flexible (PVC, Flexible) | |
| Regional Availability | Africa & Middle East | |

| Descriptive Properties | Value ^{Pacific} | Comments |
|------------------------|--------------------------|----------|
| | Europe | |
| | North America | |
| | South America | |
| Uses | Medical Appliances | |

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