

PolyOne Geon™ Vinyl Flexible XV 1144 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-XV-1144-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.22 g/cc | 1.22 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-------------|----------|--------------------------------|
| Hardness, Shore A | 80 | 80 | 10 sec; ASTM D2240 |
| Tensile Strength at Break | 18.5 MPa | 2680 psi | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break | 450 % | 450 % | Type IV, 510 mm/min; ASTM D638 |
| Tensile Modulus | 0.00827 GPa | 1.20 ksi | Type IV, 5.1 mm/min; ASTM D638 |

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

| Descriptive Properties | Value | Comments |
|------------------------|--|----------|
| Agency Ratings | FDA Food Contact, Unspecified Rating | |
| | FDA Unspecified Rating | |
| | USP Class VI | |
| Appearance | Clear/Transparent | |
| Features | Food Contact Acceptable | |
| Forms | Pellets | |
| Generic Material | PVC, Flexible | |
| Generic Name | Polyvinyl Chloride, Flexible (PVC, Flexible) | |
| Processing Method | Extrusion | |

| Descriptive Properties | Value | Comments |
|------------------------|----------------------|----------|
| Regional Availability | Africa & Middle East | |
| | Asia Pacific | |
| | Europe | |
| | North America | |
| | South America | |
| Uses | Hose | |
| | Medical Appliances | |
| | Tubing | |

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