

PolyOne Geon™ Vinyl Flexible XV3863 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

XV3863 is a flexible (95A durometer) vinyl compound formulated from FDA-santioned raw materials. XV3863 Clear 1859 has been tested to USP Class VI. NOTE: 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-XV3863-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 | 95 | 95 | 10 sec; ASTM D2240 |
| Tensile Strength at Break | 22.1 MPa | 3210 psi | Type IV, 510 mm/min; ASTM D638 |
| Tensile Strength | 18.6 MPa @Strain 100 % | 2700 psi @Strain 100 % | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break | 320 % | 320 % | Type IV, 510 mm/min; ASTM D638 |

| Descriptive Properties | Value | Comments |
|------------------------|--|----------|
| Agency Ratings | FDA Unspecified Rating | |
| | USP XXI, Class VI | |
| Appearance | Clear/Transparent | |
| Forms | Pellets | |
| Generic Material | PVC, Flexible | |
| Generic Name | Polyvinyl Chloride, Flexible (PVC, Flexible) | |
| Processing Method | Extrusion | |
| | Injection Molding | |
| Regional Availability | Africa & Middle East | |
| | Asia Pacific | |

| Descriptive Properties | Value | Comments |
|------------------------|---------------------------------|----------|
| | Europe | |
| | North America | |
| | South America | |
| Uses | Medical Appliances | |
| | Medical/Healthcare Applications | |

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