



Geon™ Vinyl Flexible XV3853

Flexible Polyvinyl Chloride

Key Characteristics

| General | | | |
|-----------------------|---|-----------------------------|-----------------|
| Material Status | • Commercial: Active | | |
| Regional Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Features | • Food Contact Acceptable • Non-Phthalate Plasticizer | | |
| Uses | • Medical Devices | | |
| Agency Ratings | • CPSIA Compliant • FDA Unspecified Rating | | |
| Appearance | • Clear/Transparent | | |
| Forms | • Pellets | | |

Technical Properties ¹

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|-------------------------|--------------------|-------------|
| Density / Specific Gravity | 1.20 | 1.20 | ASTM D792 |
| Mechanical | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Strength ² (100% Strain) | 1150 psi | 7.93 MPa | ASTM D638 |
| Tensile Strength ² (Break) | 2500 psi | 17.2 MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 420 % | 420 % | ASTM D638 |
| Hardness | Typical Value (English) | Typical Value (SI) | Test Method |
| Durometer Hardness (Shore A, 10 sec) | 73 | 73 | ASTM D2240 |
| Thermal | Typical Value (English) | Typical Value (SI) | Test Method |
| Brittleness Temperature | -63.4 °F | -53.0 °C | ASTM D746 |

Additional Information

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.

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)