

PolyOne Geon™ Vinyl Flexible XV3881 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-XV3881-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 | 74 | 74 | 15 sec; ASTM D2240 |
| | 81 | 81 | ASTM D2240 |
| Tensile Strength at Break | 16.2 MPa | 2350 psi | Type IV, 510 mm/min; ASTM D638 |
| Tensile Strength | 8.27 MPa @Strain 100 % | 1200 psi @Strain 100 % | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break | 350 % | 350 % | Type IV, 510 mm/min; ASTM D638 |

| Thermal Properties | Metric | English | Comments |
|-------------------------|----------|----------|-----------|
| Brittleness Temperature | -37.8 °C | -36.0 °F | ASTM D746 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 182 - 191 °C | 360 - 376 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|-------------------|----------|
| Additive | UV Stabilizer | |
| Appearance | Clear/Transparent | |
| Features | General Purpose | |
| | High Gloss | |
| | UV Absorbing | |
| Forms | Pellets | |
| Generic Material | PVC, Flexible | |

| Descriptive Properties | Value | Comments |
|-----------------------------|--|----------|
| <small>Generic Name</small> | Polyvinyl Chloride, Flexible (PVC, Flexible) | |
| Processing Method | Extrusion | |
| | Profile Extrusion | |
| Regional Availability | Africa & Middle East | |
| | Asia Pacific | |
| | Europe | |
| | North America | |
| | South America | |
| Uses | General Purpose | |
| | Hose | |
| | Profiles | |
| | Tubing | |

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