

PolyOne Geon™ Vinyl Wire & Cable W2407 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Wire and Cable Grade

Material Notes:

Typical Properties of Molded Slab (0.075); Not to be Construed as Specifications. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-W2407-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.31 g/cc | 1.31 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-------------|----------|--------------------------------|
| Hardness, Shore A | 83 | 83 | 15 sec; ASTM D2240 |
| Tensile Strength, Yield | 17.9 MPa | 2600 psi | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break | 300 % | 300 % | Type IV, 510 mm/min; ASTM D638 |
| Tensile Modulus | 0.00896 GPa | 1.30 ksi | Type IV, 510 mm/min; ASTM D638 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------------------------|------------------------------|-----------------------|
| Maximum Service Temperature, Air | 60.0 °C | 140 °F | UL Temperature Rating |
| Brittleness Temperature | -40.0 °C | -40.0 °F | ASTM D746 |
| Oxygen Index | 30 % @Thickness 1.91 mm | 30 % @Thickness 0.0752 in | ASTM D2863 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 182 - 188 °C | 360 - 370 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|--|----------|
| Additive | Lead Stabilizer | |
| Features | Flame Retardant | |
| Forms | Pellets | |
| Generic Material | PVC, Flexible | |
| Generic Name | Polyvinyl Chloride, Flexible (PVC, Flexible) | |
| Processing Method | Extrusion Coating | |

| Descriptive Properties | Value | Comments |
|---------------------------------|------------------------------|-------------------------------------|
| Regional Availability | Africa & Middle East | |
| | Asia Pacific | |
| | Europe | |
| | North America | |
| | South America | |
| Retention of Tensile Elongation | 60% | 100°C, 1.91 mm; 168 hr, UL Standard |
| Uses | Communication Wire Jacketing | |
| | Wire & Cable Applications | |
| | Wire Jacketing | |
| Wire Types | CATV | |

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