

PolyOne Geon™ Vinyl Flexible B8502 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

A flexible PVC Compound with good resistance to migration to specific applications. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-B8502-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.32 g/cc | 1.32 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---------------------------|---------------------------|-----------------------|
| Hardness, Shore A | 81 | 81 | 15 sec; ASTM D2240 |
| | 88 | 88 | ASTM D2240 |
| Tensile Strength at Break | 16.5 MPa | 2390 psi | 510 mm/min; ASTM D638 |
| Tensile Strength | 8.62 MPa @Strain 100 % | 1250 psi @Strain 100 % | 510 mm/min; ASTM D638 |
| Elongation at Break | 380 % | 380 % | 510 mm/min; ASTM D638 |

| Thermal Properties | Metric | English | Comments |
|-------------------------|----------------------------|------------------------------|------------|
| Brittleness Temperature | -40.0 °C | -40.0 °F | ASTM D746 |
| Oxygen Index | 24 % @Thickness 1.57 mm | 24 % @Thickness 0.0618 in | ASTM D2863 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 177 - 182 °C | 351 - 360 °F | |
| | 191 - 196 °C | 376 - 385 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|--|----------|
| Features | General Purpose | |
| | Medium Gloss | |
| Forms | Pellets | |
| Generic Material | PVC, Flexible | |
| Generic Name | Polyvinyl Chloride, Flexible (PVC, Flexible) | |

| Descriptive Properties | Value | Comments |
|------------------------|----------------------|----------|
| Processing Method | Injection Molding | |
| Regional Availability | Africa & Middle East | |
| | Asia Pacific | |
| | Europe | |
| | North America | |
| | South America | |
| Uses | General Purpose | |

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