

## PolyOne Geon™ Vinyl Flexible WR3090S Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

### 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-Flexible-WR3090S-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-WR3090S-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.18 g/cc | 1.18 g/cc | ASTM D792 |

| Mechanical Properties   | Metric   | English  | Comments                       |
|-------------------------|----------|----------|--------------------------------|
| Hardness, Shore A       | 66       | 66       | 15 sec; ASTM D2240             |
| Tensile Strength, Yield | 11.0 MPa | 1600 psi | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break     | 370 %    | 370 %    | Type IV, 510 mm/min; ASTM D638 |

| Thermal Properties      | Metric                     | English                      | Comments   |
|-------------------------|----------------------------|------------------------------|------------|
| Brittleness Temperature | -34.0 °C                   | -29.2 °F                     | ASTM D746  |
| Oxygen Index            | 21 %<br>@Thickness 1.91 mm | 21 %<br>@Thickness 0.0752 in | ASTM D2863 |

| Processing Properties | Metric       | English      | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature      | 155 - 165 °C | 311 - 329 °F |          |

| Descriptive Properties | Value                                        | Comments |
|------------------------|----------------------------------------------|----------|
| Agency Ratings         | UL QMFZ2                                     |          |
| Appearance             | Clear/Transparent                            |          |
| Forms                  | Pellets                                      |          |
| Generic Material       | PVC, Flexible                                |          |
| Generic Name           | Polyvinyl Chloride, Flexible (PVC, Flexible) |          |
| Processing Method      | Extrusion Coating                            |          |
| Regional Availability  | Africa & Middle East                         |          |
|                        | Asia Pacific                                 |          |

| Descriptive Properties          | Value                     | Comments                            |
|---------------------------------|---------------------------|-------------------------------------|
|                                 | North America             |                                     |
|                                 | South America             |                                     |
| Retention of Tensile Elongation | 80%                       | 136°C, 1.91 mm; 168 hr, UL Standard |
| Retention of Tensile Strength   | 110%                      | 136°C, 1.91 mm; 168 hr, UL Standard |
| RoHS Compliance                 | RoHS Compliant            |                                     |
| Uses                            | Cable Jacketing           |                                     |
|                                 | Flexible Cord Jacketing   |                                     |
|                                 | Wire & Cable Applications |                                     |

## Contact Songhan Plastic Technology Co.,Ltd.

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