

## PolyOne Geon™ Vinyl Wire & Cable WJJC310L 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. Provisional Product Information - Physical and Mechanical properties based on initial production. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Wire-Cable-WJJC310L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-WJJC310L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.50 g/cc | 1.50 g/cc | ASTM D792 |

| Mechanical Properties     | Metric   | English  | Comments                       |
|---------------------------|----------|----------|--------------------------------|
| Hardness, Shore D         | 53       | 53       | 15 sec; ASTM D2240             |
| Tensile Strength at Break | 19.3 MPa | 2800 psi | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break       | 250 %    | 250 %    | Type IV, 510 mm/min; ASTM D638 |

| Thermal Properties      | Metric                     | English                      | Comments   |
|-------------------------|----------------------------|------------------------------|------------|
| Brittleness Temperature | -20.0 °C                   | -4.00 °F                     | ASTM D746  |
| Oxygen Index            | 38 %<br>@Thickness 1.91 mm | 38 %<br>@Thickness 0.0752 in | ASTM D2863 |

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

| Descriptive Properties | Value                                        | Comments |
|------------------------|----------------------------------------------|----------|
| Features               | Flame Retardant                              |          |
| 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 <sup>®</sup>        | Comments                             |
|---------------------------------|---------------------------|--------------------------------------|
|                                 | North America             |                                      |
|                                 | South America             |                                      |
| Retention of Tensile Elongation | 88%                       | 100°C, 889.0 µm; 240 hr, UL Standard |
| Retention of Tensile Strength   | 110%                      | 100°C, 889.0 µm; 240 hr, UL Standard |
| RoHS Compliance                 | RoHS Compliant            |                                      |
| Uses                            | Cable Jacketing           |                                      |
|                                 | Wire & Cable Applications |                                      |

## Contact Songhan Plastic Technology Co.,Ltd.

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