

## PolyOne Geon™ Vinyl Flexible R7542X 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-R7542X-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-R7542X-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.46 g/cc | 1.46 g/cc | ASTM D792 |

| Mechanical Properties   | Metric   | English  | Comments                       |
|-------------------------|----------|----------|--------------------------------|
| Hardness, Shore A       | 82       | 82       | 15 sec; ASTM D2240             |
| Tensile Strength, Yield | 13.8 MPa | 2000 psi | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break     | 300 %    | 300 %    | Type IV, 510 mm/min; ASTM D638 |

| Thermal Properties               | Metric                     | English                      | Comments              |
|----------------------------------|----------------------------|------------------------------|-----------------------|
| Maximum Service Temperature, Air | 90.0 °C                    | 194 °F                       | UL Temperature Rating |
| Brittleness Temperature          | -46.0 °C                   | -50.8 °F                     | ASTM D746             |
| Oxygen Index                     | 28 %<br>@Thickness 1.91 mm | 28 %<br>@Thickness 0.0752 in | ASTM D2863            |

| Processing Properties | Metric       | English      | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature      | 166 - 177 °C | 331 - 351 °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                            |          |
| Regional Availability  | Africa & Middle East                         |          |

| Descriptive Properties          | Value                     | Comments                            |
|---------------------------------|---------------------------|-------------------------------------|
|                                 | Asia Pacific              |                                     |
|                                 | Europe                    |                                     |
|                                 | North America             |                                     |
|                                 | South America             |                                     |
| Retention of Tensile Elongation | 80%                       | 121°C, 1.91 mm; 168 hr, UL Standard |
| Retention of Tensile Strength   | 100%                      | 121°C, 1.91 mm; 168 hr, UL Standard |
| Uses                            | Cable Jacketing           |                                     |
|                                 | Wire & Cable Applications |                                     |

## Contact Songhan Plastic Technology Co.,Ltd.

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