

## PolyOne Geon™ Vinyl Flexible 90046 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Automotive OEM approval(s).Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Flexible-90046-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-90046-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D792
Volatiles	0.33 %	0.33 %	Loss; Method A; ASTM D1203B
	@Thickness 1.91 mm, Temperature 105 °C	@Thickness 0.0752 in, Temperature 221 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	15 sec; ASTM D2240
Tensile Strength at Break	24.1 MPa	3500 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	270 %	270 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	107.5 kN/m	613.4 pli	Die C, 2 in/min; ASTM D1004

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	
Automotive Specifications	GM GMP.PVC.006	
Features	High Gloss	
Forms	Pellets	
Fungal Resistance	Pass	ASTM G21
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Low Temperature Flexibility	Pass	-29°C, 508.0 µm; 4 hr, 12 mm
Processing Method	Coextrusion	
	Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	

Descriptive Properties	Value Europe	Comments
	North America	
	South America	
Uses	Automotive Applications	
	Automotive Exterior Trim	
	Outdoor Applications	
Xenon Weatherometer	Pass	SAE J1960; Exterior, 2500 kJ/m <sup>2</sup> , Natural, dE* < 3.0

## Contact Songhan Plastic Technology Co.,Ltd.

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