

## PolyOne Geon™ Vinyl Flexible 90463 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-90463-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-90463-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81	81	15 sec; ASTM D2240
	89	89	ASTM D2240
Tensile Strength at Break	15.8 MPa	2290 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	280 %	280 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	52.5 kN/m	300 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-32.0 °C	-25.6 °F	ASTM D746
Flame Spread	20 mm/min	0.79 in/min	Automotive Burn Test; FMVSS 302

Descriptive Properties	Value	Comments
Cold Flexibility	Pass	GM 9503P; -29°C, 1.91 mm; 25 mm, 4 hr
Features	Low Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	

Descriptive Properties	Value	Comments
	South America	
Uses	Automotive Applications	
	Automotive Interior Trim	
Xenon Weatherometer	Pass	SAE J1960; Interior, 602 kJ/m <sup>2</sup> , All Colors, dE* < 3.0

## Contact Songhan Plastic Technology Co.,Ltd.

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