

PolyOne Geon™ Vinyl Flexible 90051 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-90051-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Volatiles	0.20 %	0.20 %	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	55	55	15 sec; ASTM D2240
Tensile Strength at Break	24.0 MPa	3480 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	170 %	170 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	102.5 kN/m	584.9 pli	Die C, 2 in/min; ASTM D1004

Descriptive Properties	Value	Comments
Automotive Specifications	GM GMP.PVC.006	
	GM GMP.PVC.017	
Forms	Pellets	
Fungal Resistance	Pass	ASTM G21
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Low Temperature Flexibility	Pass	-30°C, 1.91 mm; 4 hr, 25 mm
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	

Descriptive Properties	Value	Comments
	South America	
Uses	Automotive Applications	
	Outdoor Applications	
Xenon Weatherometer	Pass	SAE J1960; Exterior, 2500 kJ/m ² , Black, dE* < 3.0

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