

PolyOne Geon™ Vinyl Flexible 90057 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-90057-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792
Volatiles	0.41 %	0.41 %	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 A	82	82	15 sec; ASTM D2240
Tensile Strength at Break	15.7 MPa	2280 psi	510 mm/min; ASTM D638
Elongation at Break	330 %	330 %	510 mm/min; ASTM D638
Tear Strength	55.9 kN/m	319 pli	Die C, 2 in/min; ASTM D1004

Descriptive Properties	Value	Comments
Automotive Specifications	CHRYSLER MS-DC211 Type B	
Features	Low 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	Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	

Descriptive Properties	Value	Comments
Uses	Automotive Applications	
	Automotive Exterior Trim	
	Beltline Moldings	
	Outdoor Applications	
Xenon Weatherometer	Pass	SAE J1960; Exterior, 2500 kJ/m², Black, dE*<3.0

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