

PolyOne Geon™ Vinyl Flexible 90212 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Provisional Product Information - Physical and Mechanical properties based on initial production. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-90212-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Volatiles	1.4 %	1.4 %	Loss; Method A; ASTM D1203B
	@Thickness 3.18 mm, Temperature 105 °C	@Thickness 0.125 in, Temperature 221 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	15 sec; ASTM D2240
Tensile Strength at Break	12.4 MPa	1800 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	210 %	210 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	68.3 kN/m	390 pli	Die C, 51 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-25.0 °C	-13.0 °F	ASTM D746

Optical Properties	Metric	English	Comments
Gloss	20 - 40 %	20 - 40 %	60°; ASTM D523

Descriptive Properties	Value	Comments
Features	Medium Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Encapsulating	
	Injection Molding	
Regional Availability	Africa & Middle East	

Descriptive Properties	Value	Comments
	Europe	
	North America	
	South America	
Uses	Automotive Applications	
	Outdoor Applications	
Xenon Weatherometer	< 0.30%	SAE J1960; Exterior, 2500 kJ/m ² , Black, dE* < 3.0

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