

PolyOne Geon™ Vinyl Flexible 90450 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-90450-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	57	57	15 sec; ASTM D2240
Tensile Strength at Break	11.8 MPa	1710 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	400 %	400 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	40.8 kN/m	233 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Flame Spread	0.00 mm/min	0.00 in/min	Automotive Burn Test; FMVSS 302

Descriptive Properties	Value	Comments
Automotive Specifications	FORD WSK-M4D871-A1	
Cold Flexibility	Pass	GM 9503P; -29°C, 1.91 mm; 25 mm, 4 hr
Features	Low Gloss	
Fogging	86%	SAE J1756; 3 hrs, 212°F(100°C), 70°F(21°C), after 1 hour
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, 1240 kJ/m ² , All Colors, dE* < 3.0

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