

PolyOne Geon™ Vinyl Flexible 90461 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-90461-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	61	61	15 sec; ASTM D2240
	70	70	ASTM D2240
Tensile Strength at Break	10.5 MPa	1520 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	380 %	380 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	31.5 kN/m	180 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-44.0 °C	-47.2 °F	ASTM D746
Flame Spread	0.00 mm/min	0.00 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 ² , All Colors, dE* < 3.0

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