

PolyOne Geon™ Vinyl Flexible 90055 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-90055-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Volatiles	0.34 % @Thickness 1.91 mm, Temperature 105 °C	0.34 % @Thickness 0.0752 in, Temperature 221 °F	Loss; Method A; ASTM D1203B

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	15 sec; ASTM D2240
Tensile Strength at Break	17.4 MPa	2520 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	310 %	310 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	55.0 kN/m	314 pli	Die C, 2 in/min; ASTM D1004

Thermal Properties	Metric	English	Comments
Flame Spread	14 mm/min	0.55 in/min	Automotive Burn Test; FMVSS 302

Descriptive Properties	Value	Comments
Automotive Specifications	CHRYSLER MS-DC211 Type B CPN3912 Color: 100% Color Match	
	FORD WSK-M4D689-A2	
	GM GMP.PVC.010	
Features	High 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

Descriptive Properties Processing Method	Value Extrusion	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Automotive Applications	
	Automotive Exterior Trim	
	Beltline Moldings	
	Outdoor Applications	
Xenon Weatherometer	Pass	SAE J1960; Exterior, 2500 kJ/m ² , All Colors, dE* < 3.0

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