

PolyOne Geon™ Vinyl Flexible A75M1 Trans 9000 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

This compound is certified for fuel hose applications(R1 Type B Class 1)under SAE J 1527 requirements.Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-A75M1-Trans-9000-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.019 - 0.023 cm/cm	0.019 - 0.023 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	15 sec; ASTM D2240
	75	75	ASTM D2240
Tensile Strength at Break	14.5 MPa	2100 psi	510 mm/min; ASTM D638
Tensile Strength	6.89 MPa	999 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	410 %	410 %	510 mm/min; ASTM D638
Tear Strength	64.8 kN/m	370 pli	Die C, 510 mm/min; ASTM D624
Compression Set	25 %	25 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
Clash Berg Modulus	0.689 GPa	99.9 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
@Temperature -22.0 °C	@Temperature -7.60 °F		

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-26.1 °C	-15.0 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM D1003
	@Thickness 1.91 mm	@Thickness 0.0750 in	

Optical Properties	Metric	English	Comments
	@Thickness 1.91 mm	@Thickness 0.0750 in	

Processing Properties	Metric	English	Comments
Melt Temperature	177 - 182 °C	351 - 360 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	
Features	High Gloss	
	Low to No Migration	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

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