

PolyOne Geon™ Vinyl Flexible A90F1 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Recommended for interior applications. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-A90F1-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	15 sec; ASTM D2240
	90	90	ASTM D2240
Tensile Strength at Break	17.9 MPa	2600 psi	510 mm/min; ASTM D638
Tensile Strength	11.0 MPa	1600 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	350 %	350 %	510 mm/min; ASTM D638
Tear Strength	87.6 kN/m	500 pli	Die C, 510 mm/min; ASTM D624
Clash Berg Modulus	0.565 GPa	81.9 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
	@Temperature -23.0 °C	@Temperature -9.40 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-27.8 °C	-18.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	80.6 - 83.3 °C	177 - 182 °F	

Descriptive Properties	Value	Comments
Additive	Biocide	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	

Descriptive Properties Processing Method	Value Extrusion	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Construction Applications	

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