

PolyOne Geon™ Vinyl Flexible R108BM Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-R108BM-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.017 - 0.021 cm/cm	0.017 - 0.021 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	15 sec; ASTM D2240
Tensile Strength at Break	7.24 MPa	1050 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	2.76 MPa @Strain 100 %	400 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	400 %	400 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-47.8 °C	-54.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	188 - 199 °C	370 - 390 °F	

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	
Features	General Purpose	
	High Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Injection Molding	

Descriptive Properties	Value	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Footwear	
	General Purpose	

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