

PolyOne Geon™ Vinyl Flexible R5145B 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-R5145B-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	15 sec; ASTM D2240
Tensile Strength at Break	6.55 MPa	950 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	2.07 MPa @Strain 100 %	300 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	380 %	380 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	30.6 kN/m	175 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-52.2 °C	-62.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	163 - 174 °C	325 - 345 °F	
	182 - 199 °C	360 - 390 °F	

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

Descriptive Properties	Value	Comments
Injection Molding		
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Construction Applications	
	Seals	
	Weatherstripping	

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