

PolyOne Geon™ Vinyl Flexible R111AE 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-R111AE-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	15 sec; ASTM D2240
Tensile Strength at Break	15.7 MPa	2280 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	10.4 MPa @Strain 100 %	1510 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	280 %	280 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-20.0 °C	-4.00 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	179 - 182 °C	354 - 360 °F	
	188 - 199 °C	370 - 390 °F	

Descriptive Properties	Value	Comments
Features	General Purpose	
	Low Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	

Descriptive Properties	Value	Comments
Profile Extrusion		
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	General Purpose	
	Hose	
	Tubing	

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