

PolyOne Geon™ Vinyl Flexible R174AE 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-R174AE-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	15 sec; ASTM D2240
Tensile Strength at Break	11.4 MPa	1650 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	350 %	350 %	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	174 - 185 °C	345 - 365 °F	

Descriptive Properties	Value	Comments
Features	General Purpose	
	Medium Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Profile Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	

Descriptive Properties	Europe Value	Comments
	North America	
	South America	
Uses	Construction Applications	
	General Purpose	
	Hose	
	Tubing	

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