

PolyOne Geon™ Vinyl Flexible R1700E 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-R1700E-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	15 sec; ASTM D2240
Tensile Strength at Break	19.3 MPa	2800 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	250 %	250 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-1.11 °C	30.0 °F	ASTM D746
Oxygen Index	25 % @Thickness 3.18 mm	25 % @Thickness 0.125 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	179 - 191 °C	354 - 376 °F	
	193 - 210 °C	379 - 410 °F	

Descriptive Properties	Value	Comments
Additive	UV Stabilizer	
Features	General Purpose	
	High Gloss	
	UV Absorbing	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	

Descriptive Properties Processing Method	Value Extrusion	Comments
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Automotive Bumper	
	General Purpose	

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