

PolyOne Geon™ Vinyl Flexible R1700D 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-R1700D-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	15 sec; ASTM D2240
Tensile Strength at Break	18.6 MPa	2700 psi	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	-7.78 °C	18.0 °F	ASTM D746
Oxygen Index	26 % @Thickness 3.18 mm	26 % @Thickness 0.125 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	171 - 182 °C	340 - 360 °F	

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

Descriptive Properties	Value	Comments
	North America	
	South America	
Uses	Automotive Bumper	

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