

PolyOne Geon™ Vinyl Flexible B8501 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

A flexible Vinyl compound for hose and tubing applications with enhanced physical characteristics. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-B8501-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81	81	15 sec; ASTM D2240
	87	87	ASTM D2240
Tensile Strength at Break	17.4 MPa	2520 psi	510 mm/min; ASTM D638
Tensile Strength	8.83 MPa @Strain 100 %	1280 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	400 %	400 %	510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-34.4 °C	-29.9 °F	ASTM D746
Oxygen Index	23 % @Thickness 1.57 mm	23 % @Thickness 0.0618 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	179 - 185 °C	354 - 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	

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

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