

PolyOne Geon™ Vinyl Flexible B8503 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

A flexible PVC Compound with good resistance to migration to specific applications. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-B8503-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	15 sec; ASTM D2240
Tensile Strength at Break	17.2 MPa	2490 psi	510 mm/min; ASTM D638
Tensile Strength	8.96 MPa @Strain 100 %	1300 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	370 %	370 %	510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-38.3 °C	-36.9 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	179 - 185 °C	354 - 365 °F	
	191 - 196 °C	376 - 385 °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	
	Injection Molding	

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

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