

PolyOne Geon™ Vinyl Flexible A8504 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-A8504-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	79	79	15 sec; ASTM D2240
	85	85	ASTM D2240
Tensile Strength at Break	16.9 MPa	2450 psi	510 mm/min; ASTM D638
Tensile Strength	10.3 MPa @Strain 100 %	1490 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	380 %	380 %	510 mm/min; ASTM D638
Tear Strength	73.6 kN/m	420 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-32.8 °C	-27.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 179 °C	345 - 354 °F	
	188 - 199 °C	370 - 390 °F	

Descriptive Properties	Value	Comments
Agency Ratings	NSF 61	Potable water material Temperature: Domestic Hot(140F/60C)
Appearance	Clear/Transparent	
Features	General Purpose	
	High Gloss	
Forms	Pellets	

Generic Material Descriptive Properties	PVC Flexible Value	Comments
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
	Profile Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Appliances	
	General Purpose	
	Hose	
	Tubing	

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