

PolyOne Geon™ Vinyl Flexible B5D01 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-B5D01-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	36	36	15 sec; ASTM D2240
	50	50	ASTM D2240
Tensile Strength at Break	19.7 MPa	2860 psi	510 mm/min; ASTM D638
Tensile Strength	16.2 MPa	2350 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	300 %	300 %	510 mm/min; ASTM D638
Tear Strength	102 kN/m	582 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-12.2 °C	10.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	179 - 185 °C	354 - 365 °F	
	196 - 207 °C	385 - 405 °F	

Descriptive Properties	Value	Comments
Features	Medium Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	

Descriptive Properties	Injection Molding Value	Comments
	Profile Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Furniture	

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