

PolyOne Geon™ Vinyl Flexible B5D05 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

A flexible PVC Compound, designed primarily for extruded sheet and tile applications. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-B5D05-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	15 sec; ASTM D2240
Tensile Strength at Break	20.5 MPa	2970 psi	510 mm/min; ASTM D638
Tensile Strength	17.4 MPa @Strain 100 %	2520 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	310 %	310 %	51 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-11.0 °C	12.2 °F	ASTM D746
Oxygen Index	26 %	26 %	ASTM D2863

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

Descriptive Properties	Value	Comments
Appearance	Natural Color	
Features	General Purpose	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	

Descriptive Properties	Injection Molding Value	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Consumer Applications	
	Furniture	
	General Purpose	

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