

PolyOne Geon™ Vinyl Flexible B83UB 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-B83UB-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	15 sec; ASTM D2240
Hardness, Shore D	44	44	ASTM D2240
Tensile Strength at Break	17.2 MPa	2490 psi	510 mm/min; ASTM D638
Tensile Strength	9.65 MPa @Strain 100 %	1400 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	330 %	330 %	510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-30.0 °C	-22.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	177 - 182 °C	351 - 360 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
Additive	Biocide	
	UV Stabilizer	
Features	Flame Retardant	
	UV Absorbing	
Forms	Pellets	
Generic Material	PVC, Flexible	

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

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