

PolyOne Geon™ Vinyl Flexible C90B1 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-C90B1-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	15 sec; ASTM D2240
	90	90	ASTM D2240
Tensile Strength at Break	14.8 MPa	2150 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	350 %	350 %	510 mm/min; ASTM D638
Tear Strength	64.8 kN/m	370 pli	Die C, 510 mm/min; ASTM D624
Compression Set	32 % @Temperature 23.0 °C, Time 79200 sec	32 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.579 GPa	84.0 ksi	ASTM D1043
	0.310 GPa @Temperature -26.0 °C	45.0 ksi @Temperature -14.8 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-27.8 °C	-18.0 °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
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Additive Descriptive Properties	Biocide Value	Comments
Features	Good Melt Strength	
	Medium Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Construction Applications	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China