

PolyOne Geon™ Vinyl Flexible B85UB 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-B85UB-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	15 sec; ASTM D2240
	90	90	ASTM D2240
Tensile Strength at Break	17.0 MPa	2470 psi	510 mm/min; ASTM D638
Tensile Strength	10.3 MPa	1490 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	360 %	360 %	510 mm/min; ASTM D638
Tear Strength	79.7 kN/m	455 pli	Die C, 2 in/min; ASTM D1004
Compression Set	35 %	35 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
Clash Berg Modulus	0.536 GPa	77.7 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
@Temperature -27.0 °C	@Temperature -16.6 °F		

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-29.0 °C	-20.2 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	171 - 177 °C	340 - 351 °F	
	193 - 199 °C	379 - 390 °F	

Descriptive Properties	Value	Comments
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Additive Descriptive Properties	Biocide Value	Comments
	UV Stabilizer	
Features	Medium Gloss	
	UV Absorbing	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Coextrusion	
	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Liners	

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