

PolyOne Geon™ Vinyl Flexible C7500 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-C7500-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67	67	15 sec; ASTM D2240
	75	75	ASTM D2240
Tensile Strength at Break	10.3 MPa	1490 psi	510 mm/min; ASTM D638
Tensile Strength	4.83 MPa @Strain 100 %	701 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	380 %	380 %	510 mm/min; ASTM D638
Tear Strength	43.8 kN/m	250 pli	Die C, 510 mm/min; ASTM D624
Compression Set	25 % @Temperature 23.0 °C, Time 79200 sec	25 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.138 GPa	20.0 ksi	ASTM D1043
	0.310 GPa @Temperature -42.0 °C	45.0 ksi @Temperature -43.6 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-40.0 °C	-40.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 179 °C	345 - 354 °F	
	188 - 199 °C	370 - 390 °F	

Descriptive Properties	Value	Comments
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Features Descriptive Properties	General Purpose Value	Comments
	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	General Purpose	

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