

PolyOne Geon™ Vinyl Flexible XV 3704 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-XV-3704-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	15 sec; ASTM D2240
	92	92	ASTM D2240
Tensile Strength at Break	19.4 MPa	2810 psi	510 mm/min; ASTM D638
Tensile Strength	12.3 MPa	1780 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	340 %	340 %	510 mm/min; ASTM D638
Compression Set	45 %	45 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
Clash Berg Modulus	0.607 GPa	88.0 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-36.7 °C	-34.1 °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	

Descriptive Properties Features	Value Color Surface Finish	Comments
	Low Temperature Resistant	
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	Hose	
	Seals	
	Tubing	
	Weatherstripping	

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