

Geon™ Vinyl Flexible XV 3704

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible XV 3704 is a Flexible Polyvinyl Chloride product. It can be processed by coextrusion, extrusion, or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Flexible XV 3704 include hose/tubing and sealing applications.

Characteristics include:

Good Aesthetics

Low Temperature Resistant

General Information			
Additive	Biocide		
Features	Good Surface Finish		
	Low Temperature Resistant		
Uses	Hose		
	Seals		
	Tubing		
	Weatherstripping		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	92		
Shore A, 15 sec	84		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	19.4	MPa	
100% Strain	12.3	MPa	
Tensile Elongation ² (Break)	340	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Compression Set (23°C, 22 hr)	45	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	607	MPa	
-30°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-36.7	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	177 to 182	°C	
NOTE			
1.	510 mm/min		
2.	510 mm/min		

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Recommended distributors for this material

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