

Geon™ Vinyl Flexible B7501

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B7501 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Plumbing/Piping/Potable Water.

General Information	
Features	Medium Gloss
Agency Ratings	NSF 51 2
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240

Shore A	75		
Shore A, 15 sec	66		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	13.1	MPa	
100% Strain	5.52	MPa	
Tensile Elongation ² (Break)	380	%	ASTM D638

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	43.8	kN/m	ASTM D624
Clash-Berg Modulus			ASTM D1043
--	145	MPa	
-40°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-43.3	°C	ASTM D746

Extrusion	Nominal Value	Unit	
Melt Temperature	174 to 179	°C	

NOTE	
1.	510 mm/min
2.	510 mm/min
3.	Die C, 510 mm/min

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