

# Geon™ Vinyl Flexible P502

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible P502 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion, injection molding, or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Coating Applications.

Characteristics include:

High Gloss

UV Stabilized

General Information			
Additive	UV Stabilizer		
Features	General Purpose		
	High Gloss		
	UV Absorbing		
Uses	Coating Applications		
	General Purpose		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 15 sec	92		
Shore D, 15 sec	47		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	22.8	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	280	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-20.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	196 to 207	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	177 to 185	°C	
NOTE			
1.	Type IV, 510 mm/min		

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#### Recommended distributors for this material

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