

# Geon™ Vinyl Flexible P512

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible P512 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. Applications of Geon™ Vinyl Flexible P512 include coating applications and furniture. Characteristics include:

High Flow

High Gloss

General Information	
Features	General Purpose
	High Flow
	High Gloss
Uses	Coating Applications
	Furniture
	General Purpose
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

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 (Shore D, 15 sec)	49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	25.2	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	200	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-13.9	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 185	°C	

NOTE	
1.	Type IV, 510 mm/min
2.	Type IV, 510 mm/min

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