

Geon™ Vinyl Flexible C5D00

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible C5D00 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: Sealing Applications.

General Information			
UL YellowCard	E41877-234229		
Features	General Purpose		
	Medium Gloss		
Uses	General Purpose		
	Seals		
	Weatherstripping		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	50		
Shore D, 15 sec	37		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	14.5	MPa	
100% Strain	10.7	MPa	
Tensile Elongation ² (Break)	270	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	70.1	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	45	%	ASTM D395
Clash-Berg Modulus	827	MPa	ASTM D1043
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-15.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°C	
Extrusion	Nominal Value	Unit	

Melt Temperature	179 to 185	°C
NOTE		
1.	510 mm/min	
2.	510 mm/min	
3.	Die C, 510 mm/min	

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Recommended distributors for this material

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