

# Geon™ Vinyl Flexible R5145B

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R5145B 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 R5145B include construction applications and sealing applications.

General Information	
Additive	Biocide
Uses	Construction Applications
	Seals
	Weatherstripping
Forms	Pellets
Processing Method	Coextrusion
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Break	6.55	MPa	
100% Strain	2.07	MPa	
Tensile Elongation <sup>2</sup> (Break)	380	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>3</sup>	30.6	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-52.2	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	182 to 199	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	163 to 174	°C	

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

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