

# Geon™ Vinyl Flexible R5185A

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R5185A is a Flexible Polyvinyl Chloride product. It can be processed by coextrusion, extrusion, injection molding, or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Construction Applications.

General Information	
Additive	Biocide
Uses	Construction Applications
	Profiles
Forms	Pellets
Processing Method	Coextrusion
	Extrusion
	Injection Molding
	Profile Extrusion

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)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	21.9	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	360	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-25.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	196 to 207	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	177 to 182	°C	

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

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