

# Geon™ Vinyl Flexible R5165A

Flexible Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Flexible R5165A is a Flexible Polyvinyl Chloride product. It can be processed by coextrusion, extrusion, or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Flexible R5165A include construction applications and outdoor applications. Primary characteristic: good weather resistance.

General Information	
Additive	Biocide
Features	Good Weather Resistance
Uses	Construction Applications
	Outdoor Applications
	Profiles
Forms	Pellets
Processing Method	Coextrusion
	Extrusion
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	13.1	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	380	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>3</sup>	41.2	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-43.9	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Melt Temperature	179 to 185	°C	

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

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