

Geon™ Vinyl Flexible R5160A

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R5160A 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 R5160A include hose/tubing and construction applications.

General Information			
Additive	Biocide		
Features	Good Melt Strength		
Uses	Construction Applications		
	Hose		
	Profiles		
	Tubing		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	10.0	MPa	
100% Strain	4.14	MPa	
Tensile Elongation ² (Break)	350	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	35.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-42.8	°C	ASTM D746
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	154 to 166	°C	
NOTE			
1.	Type IV, 510 mm/min		
2.	Type IV, 510 mm/min		
3.	Die C, 510 mm/min		

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