

Geon™ Vinyl Flexible R174AE

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R174AE is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Flexible R174AE include hose/tubing and construction applications.

General Information	
Features	General Purpose
	Medium Gloss
Uses	Construction Applications
	General Purpose
	Hose
	Tubing
Forms	Pellets
Processing Method	Extrusion
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	71		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	11.4	MPa	ASTM D638
Tensile Elongation ² (Break)	350	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-20.0	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Melt Temperature	174 to 185	°C	

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

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