

Geon™ Vinyl Flexible R235AE White 1875

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R235AE White 1875 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion, injection molding, or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Flexible R235AE White 1875 include automotive and consumer goods. Primary characteristic: low gloss.

General Information	
Features	Good Melt Strength Low Gloss
Uses	Automotive Bumper Footwear Profiles
Forms	Pellets
Processing Method	Extrusion Injection Molding Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	18.6	MPa	ASTM D638
Tensile Elongation ² (Break)	280	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-26.1	°C	ASTM D746
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	193 to 204	°C	
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	177 to 182	°C	

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

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