

Geon™ Vinyl Flexible R1700E

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R1700E is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive.

Characteristics include:

High Gloss

UV Stabilized

General Information	
Additive	UV Stabilizer
Features	General Purpose
	High Gloss
	UV Absorbing
Uses	Automotive Bumper
	General Purpose
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	58		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	19.3	MPa	ASTM D638
Tensile Elongation ² (Break)	250	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-1.11	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	25	%	ASTM D2863
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 210	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	179 to 191	°C	

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

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

