

Geon™ Vinyl Flexible R242AE

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R242AE is a Flexible Polyvinyl Chloride product. It can be processed by coextrusion, 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 R242AE include hose/tubing, construction applications and furniture.

Characteristics include:

Good Adhesion

Low Gloss

General Information			
Features	Good Adhesion		
	Low Gloss		
Uses	Construction Applications		
	Furniture		
	Hose		
	Profiles		
	Tubing		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion		
	Injection Molding		
	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)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	13.8	MPa	ASTM D638
Tensile Elongation ² (Break)	350	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-23.9	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	23	%	ASTM D2863
Injection	Nominal Value	Unit	
Processing (Melt) Temp	185 to 196	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	171 to 179	°C	

NOTE

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| 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

