

Geon™ Vinyl Flexible R279AE

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R279AE 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. Typical application: Furniture.

Characteristics include:

Low Gloss

Lubricated

General Information			
Additive	Lubricant		
Features	Low Gloss		
	Lubricated		
Uses	Furniture		
	Profiles		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	23.1	MPa	
100% Strain	16.9	MPa	
Tensile Elongation ² (Break)	280	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	114	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-15.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	179 to 185	°C	

NOTE

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| 1. | Type IV, 510 mm/min |
| 2. | Type IV, 510 mm/min |
| 3. | Die C, 510 mm/min |

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Recommended distributors for this material

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