

Geon™ Vinyl Flexible R351AE

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R351AE 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 R351AE include construction applications and furniture. Primary characteristic: low temperature resistant.

General Information			
Features	General Purpose		
	Low Temperature Resistant		
	Medium Gloss		
Uses	Construction Applications		
	Flooring		
	Furniture		
	General Purpose		
	Profiles		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	88		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	20.0	MPa	
100% Strain	15.9	MPa	
Tensile Elongation ² (Break)	280	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	101	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-25.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°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 |
| 3. | Die C, 510 mm/min |

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Recommended distributors for this material

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