

Geon™ Vinyl Flexible R8180K Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	Commercial: Active		
Regional Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America
Additive	Lead Stabilizer		
Features	Flame Retardant		
Uses	 Building Wire Insulation 	 Wire & Cable Applica 	ations
Wire Types	• NMD90		
Forms	Pellets		
Processing Method	 Extrusion Coating 		

Technical Properties 1

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Typical Value (English)	Typical Value (SI)	Test Method			
1.41	1.41	ASTM D792			
Typical Value (English)	Typical Value (SI)	Test Method			
2600 psi	17.9 MPa	ASTM D638			
340 %	340 %	ASTM D638			
Typical Value (English)	Typical Value (SI)	Test Method			
85	85	ASTM D2240			
Typical Value (English)	Typical Value (SI)	Test Method			
-7.60 °F	-22.0 °C	ASTM D746			
Typical Value (English)	Typical Value (SI)				
80 %	80 %				
110 %	110 %				
Typical Value (English)	Typical Value (SI)	Test Method			
8.2E+14 ohms·cm	8.2E+14 ohms·cm	ASTM D257			
Typical Value (English)	Typical Value (SI)	Test Method			
28 %	28 %	ASTM D2863			
	Typical Value (English) 1.41 Typical Value (English) 2600 psi 340 % Typical Value (English) 85 Typical Value (English) -7.60 °F Typical Value (English) 80 % 110 % Typical Value (English) 8.2E+14 ohms·cm Typical Value (English)	Typical Value (English) 1.41 Typical Value (English) 2600 psi 340 % Typical Value (English) 85 Typical Value (English) 7ypical Value (English) 85 Typical Value (English) 7ypical Value (English) 7ypical Value (English) 7ypical Value (SI) 7ypical Value (English) Typical Value (SI) 80 % 110 % Typical Value (SI) 82E+14 ohms⋅cm Typical Value (SI) Typical Value (SI) 7ypical Value (SI) 82E+14 ohms⋅cm Typical Value (SI)			

NOTE: Typical Properties of Molded Slab (0.075"); Not to be Construed as Specifications.

Processing Information

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Extrusion	Typical Value (English)	Typical Value (SI)	
Melt Temperature	329 to 347 °F	165 to 175 °C	

Notes

¹ Typical values are not to be construed as specifications.

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² Type IV, 20 in/min (510 mm/min)

^{3 500} hr, UL Standard

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