



Geon™ Vinyl Flexible SL9994

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Biocide • Lubricant		
Features	• High Flow • Lubricated		
Uses	• Flooring		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.30	1.30	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	2100 psi	14.5 MPa	ASTM D638
Tensile Strength ² (Break)	2950 psi	20.3 MPa	ASTM D638
Tensile Elongation ² (Break)	250 %	250 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	500 lbf/in	87.6 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	86	86	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-24.0 °F	-31.1 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	390 to 400 °F	199 to 204 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	380 to 390 °F	193 to 199 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)

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