



Geon™ Vinyl Flexible B5546

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Statically Conductive		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.40	1.40	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (50% Strain)	1700 psi	11.7 MPa	ASTM D638
Tensile Strength ² (Break)	1720 psi	11.9 MPa	ASTM D638
Tensile Elongation ² (Break)	80 %	80 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	55	55	
Shore A, 15 sec	40	40	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	340 to 380 °F	171 to 193 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

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