



Geon™ Vinyl Flexible B65BCA

Flexible Polyvinyl Chloride

Key Characteristics

Product Description				
Improved adhesion.				
General				
Material Status	• Commercial: Active			
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America	
Features	• Bacteria Resistant • Fungus Resistant	• Good Adhesion • Low Compression Set	• Low Temperature Flexibility	
Uses	• Seals	• Weatherstripping		
Forms	• Pellets			
Processing Method	• Extrusion	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.23	1.23	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	589 psi	4.06 MPa	ASTM D638
Tensile Strength ² (Break)	2020 psi	13.9 MPa	ASTM D638
Tensile Elongation ² (Break)	450 %	450 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength	23.0 lbf/in	4.03 kN/m	ASTM D624
Compression Set (73°F (23°C), 22 hr)	20 %	20 %	ASTM D395
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	61	61	
Shore A, 15 sec	62	62	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-43.6 °F	-42.0 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	370 to 400 °F	188 to 204 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	355 to 360 °F	179 to 182 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

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