



Geon™ Vinyl Flexible B65C0

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Features	• High Gloss	• Medium Impact Resistance	
Uses	• Construction Applications	• Seals	• Weatherstripping
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.24	1.24	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	450 psi	3.10 MPa	ASTM D638
Tensile Strength ² (Break)	1400 psi	9.65 MPa	ASTM D638
Tensile Elongation ² (Break)	450 %	450 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	140 lbf/in	25 kN/m	ASTM D624
Compression Set (73°F (23°C), 22.0 hr)	18 %	18 %	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	8950 psi	61.7 MPa	
-49°F (-45°C)	45000 psi	310 MPa	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	65	65	
Shore A, 15 sec	55	55	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-43.0 °F	-41.7 °C	ASTM D746

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	335 to 345 °F	168 to 174 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)

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