

Geon™ Vinyl Flexible B65C0 Flexible Polyvinyl Chloride

Key Characteristics

Ttoy Characteriotics						
General						
Material Status	Commercial: Active		7			
Regional Availability	 Africa & Middle East Asia Pacific	EuropeNorth 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	
lardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	65	65	
Shore A, 15 sec	55	55	
Thermal 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.

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² 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)

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