



Geon™ Vinyl Flexible B70CB

Flexible Polyvinyl Chloride

Key Characteristics

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

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.22	1.22	ASTM D792
Molding Shrinkage - Flow	0.015 to 0.019 in/in	1.5 to 1.9 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	530 psi	3.65 MPa	ASTM D638
Tensile Strength ² (Break)	1700 psi	11.7 MPa	ASTM D638
Tensile Elongation ² (Break)	450 %	450 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Compression Set (73°F (23°C), 22 hr)	18 %	18 %	ASTM D395
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	70	70	
Shore A, 15 sec	62	62	

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)