



Geon™ Vinyl Flexible B65T0

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Features	• Medium Gloss		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.22	1.22	ASTM D792
Molding Shrinkage - Flow	0.019 to 0.023 in/in	1.9 to 2.3 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	500 psi	3.45 MPa	ASTM D638
Tensile Strength ² (Break)	1350 psi	9.31 MPa	ASTM D638
Tensile Elongation ² (Break)	460 %	460 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	170 lbf/in	30 kN/m	ASTM D624
Compression Set (73°F (23°C), 22.0 hr)	30 %	30 %	ASTM D395
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	65	65	
Shore A, 15 sec	61	61	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-65.0 °F	-53.9 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	370 to 390 °F	188 to 199 °C
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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