Geon™ Vinyl Flexible C75A0

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion	• Medium Gloss	
Uses	• Construction Applications		
Agency Ratings	• NSF STD-51 [1]		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	• Injection Molding

Technical Properties [2]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.37	1.37	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [3] (100% Strain)	700 psi	4.83 MPa	ASTM D638
Tensile Strength [3] (Break)	1500 psi	10.3 MPa	ASTM D638
Tensile Elongation [3] (Break)	380 %	380 %	ASTM D638
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tear Strength [4]	250 lbf/in	43.8 kN/m	ASTM D624
Compression Set (73°F (23°C), 22 hr)	25 %	25 %	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	20000 psi	138 MPa	
-44°F (-42°C)	45000 psi	310 MPa	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	75	75	
Shore A, 15 sec	67	67	
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Brittleness Temperature	-40.0 °F	-40.0 °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	345 to 355 °F	174 to 179 °C

Notes

[1] BLACK 2999.
Max. Temp. of use = 100 degrees F.

[2] Typical values are not to be construed as specifications.

[3] 20 in/min (510 mm/min)

[4] Die C, 20 in/min (510 mm/min)