



Geon™ Vinyl Flexible A5DU0

Flexible Polyvinyl Chloride

Key Characteristics

Product Description			
Interior applications.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• UV Stabilizer		
Features	• General Purpose	• High Gloss	• UV Absorbing
Uses	• General Purpose		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Profile Extrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.28	1.28	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	2200 psi	15.2 MPa	ASTM D638
Tensile Strength ² (Break)	3000 psi	20.7 MPa	ASTM D638
Tensile Elongation ² (Break)	340 %	340 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	675 lbf/in	118 kN/m	ASTM D624
Clash-Berg Modulus			ASTM D1043
--	116000 psi	800 MPa	
12°F (-11°C)	45000 psi	310 MPa	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, 15 sec	90	90	
Shore D	50	50	
Shore D, 15 sec	42	42	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-6.00 °F	-21.1 °C	ASTM D746

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	355 to 375 °F	179 to 191 °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)