



Geon™ Vinyl Flexible A85UF65

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
Features	• Flame Retardant	• Non-DEHP Plasticizer	
Uses	• Construction Applications	• Sheet	
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.23	1.23	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	1700 psi	11.7 MPa	ASTM D638
Tensile Strength ² (Break)	2600 psi	17.9 MPa	ASTM D638
Tensile Elongation ² (Break)	370 %	370 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength	415 lbf/in	72.7 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	87	87	
Shore A, 15 sec	79	79	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-22.0 °F	-30.0 °C	ASTM D746
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index	25 %	25 %	ASTM D2863

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	340 to 365 °F	171 to 185 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)