



Geon™ Vinyl Flexible B8501

Flexible Polyvinyl Chloride

Key Characteristics

Product Description

A flexible Vinyl compound for hose and tubing applications with enhanced physical characteristics.

General

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

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.30	1.30	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	1280 psi	8.83 MPa	ASTM D638
Tensile Strength ² (Break)	2530 psi	17.4 MPa	ASTM D638
Tensile Elongation ² (Break)	400 %	400 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	87	87	
Shore A, 15 sec	81	81	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-30.0 °F	-34.4 °C	ASTM D746
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.0620 in (1.57 mm))	23 %	23 %	ASTM D2863

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	355 to 365 °F	179 to 185 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)