



Geon™ Vinyl Flexible B8503

Flexible Polyvinyl Chloride

Key Characteristics

Product Description			
A flexible PVC Compound with good resistance to migration to specific applications.			
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	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.32	1.32	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	1300 psi	8.96 MPa	ASTM D638
Tensile Strength ² (Break)	2500 psi	17.2 MPa	ASTM D638
Tensile Elongation ² (Break)	370 %	370 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	84	84	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-37.0 °F	-38.3 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	375 to 385 °F	191 to 196 °C
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)

CONTACT INFORMATION

Americas

United States - Avon Lake
+1 440 930 1000
United States - McHenry
+1 815 385 8500

Asia

China - Guangzhou
+86 20 8732 7260
China - Shenzhen
+86 755 2969 2888
China - Suzhou
+86 512 6823 24 38
China - Suzhou
+86 512 6265 2600
Hong Kong -
+852 2690 5332
Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0
Spain - Barbastro (Huesca)
+34 974 310 314



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Better Business Solutions. SM

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia

No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe

6 Giällewee
+352 269 050 35

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