Technical Data Sheet

Geon™ Vinyl Wire & Cable WR7400L

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Features	• Flame Retardant	• Sunlight Resistant (720 hours)	
Uses	• Cable Jacketing	• Flexible Cord Jacketing	• Wire & Cable Applications
Wire Types	• SJT	• SJTO	
Agency Ratings	• UL QMTT2		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion Coating		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.26	1.26 g/cm³	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (Yield)	2250 psi	15.5 MPa	ASTM D638
Tensile Elongation [2] (Break)	430 %	430 %	ASTM D638
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore A, 15 sec)	68	68	ASTM D2240
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Brittleness Temperature	-58.0 °F	-50.0 °C	ASTM D746
UL Temperature Rating	221 °F	105 °C	
Aging	**Typical Value (English)**	**Typical Value (SI)**	
Retention of Tensile Elongation [3]			
250°F (121°C), 75.0 mil (1.91 mm)	89 %	89 %	
Retention of Tensile Strength [3]			
250°F (121°C), 75.0 mil (1.91 mm)	110 %	110 %	
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Oxygen Index (0.0750 in (1.91 mm))	24 %	24 %	ASTM D2863
Additional Information			
NOTE: Typical Properties of Molded Slab (0.075"); Not to be Construed as Specifications.			

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	311 to 329 °F	155 to 165 °C

Notes

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

[2] Type IV, 20 in/min (510 mm/min)

[3] 500 hr, UL Standard

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CONTACT INFORMATION

Americas

Canada - St Remi de Napierville
+1 888 588 4366

Mexico - Toluca
+52 722 2790200

United States - Avon Lake
+1 440 930 1000

Asia

China - HouJie Town, Dongguan City,
+86 769 8998 8158

Europe

Belgium - Assesse
+32 83 660 211

Beyond Polymers.

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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