

# Geon™ Vinyl Wire & Cable WR3790BL

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Wire & Cable WR3790BL is a flexible PVC product. It can be processed by extrusion coating and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: wire and cable.

Features include:

ROHS certification

Flame Retardant

General Information			
Features	Flame retardancy		
Uses	Wire and cable applications		
	Insulating material		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	16.4	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	400	%	ASTM D638
Aging	Nominal Value	Unit	
Tensile strength retention rate <sup>3</sup> (121°C, 1.91 mm)	100	%	
Elongation retention rate <sup>4</sup> (121°C, 1.91 mm)	80	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-46.0	°C	ASTM D746
UL Temperature Rating <sup>5</sup>	105	°C	CSA
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	25	%	ASTM D2863
Additional Information			
NOTE: Typical Properties of Molded Slab (0.075"); Not to be Construed as Specifications.			
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 170	°C	
NOTE			
1.	Type 4, 510mm/min		
2.	Type 4, 510mm/min		

3.	500 hr, UL Standard
4.	500 hr, UL Standard
5.	105°C CSA Rated.

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#### Recommended distributors for this material

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