

Geon™ Vinyl Wire & Cable WR3792CL

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Wire & Cable WR3792CL 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. Geon™Vinyl Wire & Cable WR3792CL applications include wire and cable and electrical/electronic applications.

Features include:

ROHS certification

Flame Retardant

General Information			
Features	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Wire and cable applications		
	Insulating material		
Wire Types	AWM		
	FT-4		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	18.8	MPa	ASTM D638
Tensile Elongation ² (Break)	350	%	ASTM D638
Aging	Nominal Value	Unit	
Tensile strength retention rate ³ (121°C, 889.0 µm)	90	%	
Elongation retention rate ⁴ (121°C, 889.0 µm)	99	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-23.9	°C	ASTM D746
UL Temperature Rating ⁵	105	°C	CSA
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	6.0E+13	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	32	%	ASTM D2863

Additional Information

NOTE: Typical Properties of Molded Slab (0.075"); Not to be Construed as Specifications.

Extrusion	Nominal Value	Unit
Melt Temperature	166 - 182	°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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

