

# Geon™ Vinyl Flexible R3792E

Flexible Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™Vinyl Flexible R3792E is a flexible polyvinyl chloride 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 Flexible R3792E's application areas include wire and cable and electrical/electronic applications.

Features include:

Flame Retardant

Stable

General Information			
Additive	Lead stabilizer		
Features	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Wire and cable applications		
	Insulating material		
Wire Types	AWM		
	FT-4		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	17.2	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	350	%	ASTM D638
Aging	Nominal Value	Unit	
Tensile strength retention rate <sup>3</sup> (121°C, 1.91 mm)	85	%	
Elongation retention rate <sup>4</sup> (121°C, 1.91 mm)	98	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-25.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.9E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (1.91 mm)	30	%	ASTM D2863
Additional Information			

注释:模制厚板(0.075")的典型属性;不能视为技术规格.

Extrusion	Nominal Value	Unit
Melt Temperature	165 - 175	°C
NOTE		
1.	Type 4, 510mm/min	
2.	Type 4, 510mm/min	
3.	336 hours, UL standard	
4.	336 hours, UL standard	

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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

