

Geon™ Vinyl Wire & Cable WY594B

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Wire & Cable WY594B is a flexible PVC product. It can be processed by extrusion or injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: wire and cable. The main features are: Rohs certification.

General Information	
Uses	Wire and cable applications
RoHS Compliance	RoHS compliance
Forms	Particle
Processing Method	Extrusion
	Injection molding

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)	82		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	13.1	MPa	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638

Aging	Nominal Value	Unit	
Tensile strength retention rate ³ (136°C, 1.91 mm)	85	%	
Elongation retention rate ⁴ (136°C, 1.91 mm)	89	%	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-28.1	°C	ASTM D746

Flammability	Nominal Value	Unit	Test Method
Oxygen Index (1.91 mm)	24	%	ASTM D2863

Additional Information			
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注释:模制厚板(0.075")的典型属性;不能视为技术规格.

Injection	Nominal Value	Unit	
Processing (Melt) Temp	166 - 176	°C	

NOTE	
1.	Type 4, 510mm/min
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3.	168 hours, UL standard
4.	168 hours, UL standard

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