

Geon™ Vinyl Flexible R8180K

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Flexible R8180K 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. Typical application areas are: wire and cable.

Features include:

Flame Retardant

Stable

General Information			
Additive	Lead stabilizer		
Features	Flame retardancy		
Uses	Building wire insulation material		
	Wire and cable applications		
Wire Types	NMD90		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	17.9	MPa	ASTM D638
Tensile Elongation ² (Break)	340	%	ASTM D638
Aging	Nominal Value	Unit	
Tensile strength retention rate ³ (121°C, 1.91 mm)	110	%	
Elongation retention rate ⁴ (121°C, 1.91 mm)	80	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-22.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.2E+14	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (1.91 mm)	28	%	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.	500 hours, UL standard
4.	500 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

