

Geon™ Vinyl Flexible R3090S

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R3090S 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/rated flame

ROHS certification

General Information			
UL YellowCard	E41877-314521		
Uses	Cable sheath		
	Wire and cable applications		
	cord sheath		
Agency Ratings	UL QMFZ2		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	11.0	MPa	ASTM D638
Tensile Elongation ² (Break)	370	%	ASTM D638
Aging	Nominal Value	Unit	
Tensile strength retention rate ³ (136°C, 1.91 mm)	110	%	
Elongation retention rate ⁴ (136°C, 1.91 mm)	80	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-34.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			Internal method
1.50 mm, BK	V-2		Internal method
1.50 mm, NC	V-2		Internal method
1.50 mm, RD	V-2		Internal method
Oxygen Index (1.91 mm)	21	%	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	155 - 165	°C
NOTE		
1.	Type 4, 510mm/min	
2.	Type 4, 510mm/min	
3.	168 hours, UL standard	
4.	168 hours, UL standard	

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