

Geon™ Vinyl Flexible R7400B

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Flexible R7400B 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

daylight resistance

Stable

General Information			
Additive	Lead stabilizer		
Features	Sunlight resistance, 720 hours		
	Flame retardancy		
Uses	Cable sheath		
	Wire and cable applications		
	cord sheath		
Wire Types	SJT		
	SJTO		
Agency Ratings	UL QMTT2		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	67		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	15.2	MPa	ASTM D638
Tensile Elongation ² (Break)	400	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation ³ (60°C, 168 hr, in ASTM #2 Oil)	-19	%	ASTM D543
Tensile strength retention rate ⁴ (121°C, 1.91 mm)	110	%	
Elongation retention rate ⁵ (121°C, 1.91 mm)	89	%	
Bending strength change ⁶ (60°C, 1.91 mm)	100	%	ASTM D543
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	-50.0	°C	ASTM D746
UL Temperature Rating	105	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	6.4E+11	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (1.91 mm)	24	%	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. 0.075 in
4. 500 hours, UL standard
5. 500 hours, UL standard
6. In ASTM#2 oil, 168 hours

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