

Geon™ Vinyl Wire & Cable WJCK435

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Wire & Cable WJCK435 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion coating and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Wire & Cable. Primary characteristic: rohs compliant.

General Information			
Uses	Building Wire Jacketing		
	Wire & Cable Applications		
Wire Types	SER		
	SEU		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	15.7	MPa	ASTM D638
Tensile Elongation ² (Break)	400	%	ASTM D638
Aging	Nominal Value	Unit	
Retention of Tensile Elongation ³ (121°C, 1.91 mm)	80	%	
Retention of Tensile Strength ⁴ (121°C, 1.91 mm)	110	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-45.0	°C	ASTM D746
UL Temperature Rating ⁵	90	°C	CSA
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	22	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 170	°C	
NOTE			
1.	Type IV, 510 mm/min		
2.	Type IV, 510 mm/min		
3.	336 hr, UL Standard		
4.	336 hr, UL Standard		

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