

Axiall PVC 19465

Flexible Polyvinyl Chloride

Axiall Corporation

Message:

RoHS compliant, 105 C insulation compound with premium air aging performance. Best suited for 15 mil, 22 AWG and smaller wire constructions. Also UL recognized for THWN-2 all sizes and colors

General Information			
Features	Good Heat Aging Resistance		
Uses	Insulation		
	Wire & Cable Applications		
Wire Types	THHN		
	THWN		
	THWN-2		
Agency Ratings	UL II Oil Rating		
	UL VW-1		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30 to 1.34	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	43 to 49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant	16.2	MPa	ASTM D638
Tensile Strength	24.1	MPa	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air ¹ (136°C, 168 hr)	-5.8	%	UL 1581
Change in Ultimate Elongation ² (100°C, 96 hr, in Oil)	-12	%	UL 1581
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-17.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D638
Extrusion	Nominal Value	Unit	
Melt Temperature	191	°C	
NOTE			
1.	30 mil slabs		

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