

Axial PVC 17870

Flexible Polyvinyl Chloride

Axial Corporation

Message:

Non-lead stabilized insulation and jacket compound. UL recognized for TW, THW, Oil II and 720 hr sunlight resistant applications. Suitable for 105C dry rated insulations.

General Information			
Features	Low (to None) Lead Content		
	Sunlight Resistant (720 hours)		
Uses	Cable Jacketing		
	Insulation		
Wire Types	THW		
	TW		
Agency Ratings	UL II Oil Rating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39 to 1.43	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 3 sec)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	10.3	MPa	ASTM D638
Tensile Strength	17.9	MPa	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air ² (136°C, 168 hr)	-17	%	UL 1581
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-23.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Melt Temperature	188	°C	
NOTE			
1.	100% strain		
2.	30 mil slabs		

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