

Axial PVC 19463

Flexible Polyvinyl Chloride

Axial Corporation

Message:

RoHS compliant. Recognized by UL for THWN-2 all sizes and colors, Oil II and 720 hr. sr. CSA certified for TWN75, T90 Nylon, TEWN, TEW, AWM, 105C, 600V, FT1, FT2, TR-32 and TR64

General Information			
Features	Oil Resistant		
	Sunlight Resistant (720 hours)		
Uses	Cable Jacketing		
	Outdoor Applications		
Wire Types	AWM		
	FT-1		
	TEW		
	TEWN		
	THWN-2		
	TWN75		
Agency Ratings	CSA TR32		
	CSA TR64		
	CSA Unspecified Rating		
	UL II Oil Rating		
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, 3 sec)	46		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)	-13	%	UL 1581
Change in Ultimate Elongation ² (100°C, 96 hr, in Oil)	-20	%	UL 1581
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	-21.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D638
Additional Information	Nominal Value	Unit	Test Method
Sunlight Resistance	720.0	hr	UL Unspecified
Extrusion	Nominal Value	Unit	
Melt Temperature	191	°C	
NOTE			
1.	30 mil slabs		
2.	30 mil slabs		

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