

Axial PVC 18881

Flexible Polyvinyl Chloride

Axial Corporation

Message:

105C jacket compound designed for riser applications. Suited for UL 720 hour sunlight resistant applications.

General Information			
Features	Sunlight Resistant (720 hours)		
Uses	Cable Jacketing		
	Outdoor Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33 to 1.37	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 3 sec)	88		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant	9.65	MPa	ASTM D638
Tensile Strength	17.9	MPa	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air ¹ (136°C, 168 hr)	-26	%	ASTM D573
Change in Ultimate Elongation ² (100°C, 96 hr, in Oil)	-49	%	UL 1581
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-32.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	32	%	ASTM D638
Additional Information	Nominal Value	Unit	Test Method
Sunlight Resistance	720.0	hr	UL Unspecified
Extrusion	Nominal Value	Unit	
Melt Temperature	188	°C	
NOTE			
1.	30 mil slabs		
2.	45 mil slabs		

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