



# Westlake PVC 19481

Westlake Chemical Corporation - Flexible Polyvinyl Chloride

Friday, September 20, 2019

## General Information

### Product Description

19481 is a flexible extrusion PVC compound formulated for THHN-TWHN insulating applications requiring a maximum service temperature of 105°C. This compound is best suited for 1/64" wall thickness applications.

### General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Good Flexibility		
Uses	• Insulation	• Wire & Cable Applications	
Wire Types	• THHN • THHW	• THW • THWN	• TW • VW-1
Agency Ratings	• UL Type THHN • UL Type THW	• UL Type THWN • UL Type TW	• UL VW-1
Processing Method	• Extrusion		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32 to 1.36	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	20.3	MPa	
100% Strain	15.5	MPa	
Tensile Elongation (Break)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 10 sec	92 to 98		
Shore D, 10 sec	45 to 51		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.0	°C	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air <sup>2</sup>			UL 1581
100°C, 96 hr	-24	%	
136°C, 168 hr	-15	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	2.0E+15	ohms-cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863
Additional Information	Nominal Value	Unit	
Stock Temperature	193	°C	

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 30 mil slab

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