

# Westlake PVC 16881

Westlake Chemical Corporation - Flexible Polyvinyl Chloride

Friday, September 20, 2019

## General Information

### Product Description

16881 is a flexible extrusion PVC compound formulated for riser and fiber optic consturctions requiring a maximum service temperature rating of 90°C and excellent low-temperature properties.

### General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Good Flexibility	• Low Temperature Resistant	• Sunlight Resistant (720 hours)
Uses	• Fiber Optic Cable	• Riser Rated Communications Cable Insulation	• Wire & Cable Applications
Processing Method	• Extrusion		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33 to 1.37	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	19.3	MPa	
100% Strain	12.4	MPa	
Tensile Elongation (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	85 to 91		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-39.0	°C	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air <sup>2</sup> (121°C, 168 hr)	-12	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D2863
Additional Information	Nominal Value	Unit	
Stock Temperature	182	°C	

### Notes

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

<sup>2</sup> 50 mil slab