

Westlake PVC 19902

Westlake Chemical Corporation - Flexible Polyvinyl Chloride

Sunday, September 15, 2019

General Information

Product Description

19902 is a flexible extrusion PVC compound formulated for a maximum service temperature of 105°C insulating applications at 0.03125" wall thickness and thicker. The compound possesses a UL 720 recognition.

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Good Flexibility	• Oil Resistant	• Sunlight Resistant (720 hours)
Uses	• Insulation	• Wire & Cable Applications	
Agency Ratings	• UL I Oil Rating	• UL Type TW	
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32 to 1.36	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	19.3	MPa	
100% Strain	13.3	MPa	
Tensile Elongation (Break)	360	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	87 to 93		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-27.0	°C	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air ² (136°C, 168 hr)	-24	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863
Additional Information	Nominal Value	Unit	
Stock Temperature	185	°C	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 30 mil slab