

Westlake PVC 19903

Westlake Chemical Corporation - Flexible Polyvinyl Chloride

Friday, September 20, 2019

General Information

Product Description

UL approved TW insulation compound. Suitable for 105C constructions at a minimum wall thickness of 1/32". Suitable for 720 hr sunlight reisant applications.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Low (to None) Lead Content
Uses	• Thin-walled Parts
Wire Types	• TW
Agency Ratings	• UL I Oil Rating

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)	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)	-20	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	182	°C

Notes

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

² 30 mil slabs