

Westlake PVC 12862

Westlake Chemical Corporation - Flexible Polyvinyl Chloride

Friday, September 20, 2019

General Information

Product Description

Non lead 80C liquid tight conduit compound according to UL360.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Flexibility
Uses	• Conduit
Agency Ratings	• UL 360
Forms	• Pellets

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30 to 1.34	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	16.2	MPa	
100% Strain	8.27	MPa	
Tensile Elongation (Break)	350	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	81 to 87		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-28.0	°C	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air ² (113°C, 168 hr)	-27	%	UL 1581
Change in Ultimate Elongation ² 60°C, 168 hr, in IRM 902 Oil	-20	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	25	%	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 slab