

Westlake PVC 18841

Westlake Chemical Corporation - Flexible Polyvinyl Chloride

Sunday, September 15, 2019

General Information

Product Description

Highly flame retardant, 105 C tray cable jacket compound. Recommended over FRXLPE. Formulated for sunlight resistance.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Flame Retardant
Features	• Flame Retardant • Sunlight Resistant
Uses	• Cable Jacketing • Wire & Cable Applications
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.41 to 1.45	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	18.9	MPa	
100% Strain	11.2	MPa	
Tensile Elongation (Break)	280	%	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	-21.0	°C	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air ² (136°C, 168 hr)	-18	%	UL 1581
Change in Ultimate Elongation ² 100°C, 96 hr, in IRM 902 Oil	-40	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	36	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	177	°C

Notes

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

² 30 mil slab