

Technical Data Sheet

Alcryn ALR 7930BK

Melt Processable Rubber
LyondellBasell Industries
Engineering Plastics

Product Description

Alcryn® ALR 7930BK MPR is a halogenated, flame retardant material with excellent abrasion resistance and high tensile strength. It was developed specifically for the Wire & Cable jacketing market. It is black in color, offering excellent UV and Ozone resistance with a continuous temperature of 90°C. Applications include jacketing for solar, coiled, or strait cable applications. Depending on wall thickness of the end use application, this material will meet a UL94V0 flame rating.

General

Features	• Flame Retardant
Uses	• Wire & Cable Applications
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Extrusion

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.32	1.32 g/cm ³	ASTM D792
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (100% Strain)	1490 psi	10.3 MPa	ASTM D412
Tensile Strength	1840 psi	12.7 MPa	ASTM D412
Tensile Elongation (Break)	210 %	210 %	ASTM D412
Tear Strength ¹ (75°F (24°C))	282 lbf/in	49.4 kN/m	ASTM D624
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	86	86	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Continuous Use Temperature	194 °F	90.0 °C	ASTM D794
Brittleness Temperature	-108 °F	-78.0 °C	ASTM D746
Aging	Nominal Value (English)	Nominal Value (SI)	Test Method
Change in Tensile Strength in Air 250°F (121°C), 168 Hr	10 %	10 %	ASTM D573
Change in Ultimate Elongation in Air 250°F (121°C), 168 Hr	9.0 %	9.0 %	ASTM D573
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Dielectric Strength	400 V/mil	16 kV/mm	ASTM D149
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating	V-0	V-0	UL 94
Oxygen Index	28 %	28 %	ASTM D2863

Notes

¹ Die C

Notes

These are typical property values not to be construed as specification limits.