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/cm³	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.