

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.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
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

Notes

¹ Die C

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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