

## Technical Data Sheet

### *Alcryn* ALR-7930BKBLK



Melt Processable Rubber

#### 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.

<b>Processing Method</b>	Extrusion
<b>Forms</b>	Pellets
<b>Appearance</b>	Natural Color
<b>Additive</b>	Flame Retardant
<b>Application</b>	Wire & Cable

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Density - Specific Gravity	1.32	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Change in Ultimate Elongation in Air, (121 °C, 168 hr)	9.0	%	ASTM D573
Tensile Stress at 100%	10.3	MPa	ASTM D412
Change in Tensile Strength in Air, (121 °C, 168 hr)	10	%	ASTM D573
Tensile Strength	12.7	MPa	ASTM D412
Tensile Elongation at Break	210	%	ASTM D412
Tear Strength, (24 °C, Die C)	49.4	kN/m	ASTM D624
<b>Impact</b>			
Ductile/Brittle Transition Temperature	-78	°C	ASTM D746
<b>Hardness</b>			
Durometer Hardness, (Shore A)	86		ASTM D2240
<b>Electrical</b>			
Dielectric Strength	16	kV/mm	ASTM D149
<b>Additional Information</b>			
Continuous Use Temperature	90	°C	ASTM D794