

## Technical Data Sheet

### *Alcryn* ALR-7134BKBLK



Melt Processable Rubber

#### Product Description

*Alcryn* ALR 7134 MPR is a black specialty material for applications that require a material that has fuel and diesel resistance.

**Processing Method** Injection Molding

**Forms** Pellets

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Density - Specific Gravity	1.15	g/cm <sup>3</sup>	ASTM D792
Change in Volume			
(in ASTM #1 Oil, 100 °C, 168 hr)	-27	%	ASTM D471
(in Reference Fuel B, 24 °C, 168 hr)	2.0	%	ASTM D471
(in IRM 903 Oil #3, 100 °C, 168 hr)	-10	%	ASTM D471
(in Diesel Fuel, 24 °C, 168 hr)	4.0	%	ASTM D471
(in Gasoline, 24 °C, 168 hr)	2.0	%	ASTM D471
Melt Viscosity, (190 °C, 300 sec <sup>-1</sup> )	243	Pa·s	ASTM D3835
<b>Mechanical</b>			
Tensile Stress at 100%	3.55	MPa	ASTM D412
Tensile Set	11	%	ASTM D412
Tensile Strength at Break	7.72	MPa	ASTM D412
Tensile Elongation at Break	360	%	ASTM D412
Tear Strength, (23 °C, Die C)	25.4	kN/m	ASTM D624
<b>Hardness</b>			
Durometer Hardness, (Shore A)	71		ASTM D2240
<b>Additional Information</b>			
Compression Set			
(24 °C, 22 hr, Method B)	17	%	ASTM D395
(100 °C, 22 hr, Method B)	69	%	ASTM D395