Technical Data Sheet

Alcryn ALR 7134

Melt Processable Rubber
LyondellBasell Industries
Engineering Plastics

Product Description
Alcryn® ALR 7227 MPR is a black specialty material for applications that require a material that has fuel and diesel resistance.

General	
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.15	1.15 g/cm³	ASTM D792
Elastomers	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Set	11 %	11 %	ASTM D412
Tensile Stress (100% Strain)	515 psi	3.55 MPa	ASTM D412
Tensile Strength (Break)	1120 psi	7.72 MPa	ASTM D412
Tensile Elongation (Break)	360 %	360 %	ASTM D412
Tear Strength [1] (74°f (23°c))	145 lbf/in	25.4 kN/m	ASTM D624
Compression Set			ASTM D395B
75°f (24°c), 22 Hr	17 %	17 %	
212°f (100°c), 22 Hr	69 %	69 %	
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Durometer Hardness (Shore A)	71	71	ASTM D2240
Aging	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Change in Volume			ASTM D471
75°f (24°c), 168 Hr, In Diesel Fuel	4.0 %	4.0 %	
75°f (24°c), 168 Hr, In Gasoline	2.0 %	2.0 %	
75°f (24°c), 168 Hr, In Reference Fuel B	2.0 %	2.0 %	
212°f (100°c), 168 Hr, In Astm #1 Oil	-27 %	-27 %	
212°f (100°c), 168 Hr, In Irm 903 Oil #3	-10 %	-10 %	
Fill Analysis	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Melt Viscosity (374°f (190°c), 300 Sec^-1)	243 Pa·s	243 Pa·s	ASTM D3835

Notes

[1] Die C

Notes

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