

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/cm ³	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.

