

Technical Data Sheet



Alcryn ALR 7134

Melt Processable Rubber
LyondellBasell Industries
Engineering Plastics

Product Description

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

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
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 ^A -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.

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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