

Technical Data Sheet



Alcryn ALR 7083

Melt Processable Rubber
LyondellBasell Industries
Engineering Plastics

Product Description

Alcryn® ALR 7083 is the same product as Alcryn® 2060NC with the addition of a lubricant package for reduced die drool at higher outputs. ALR 7083 can be processed in the injection molding but is truly designed for the extrusion process; specifically Architectural and Wire & Cable applications where reduced die drool is a must for thin wall sections at higher outputs.

General

Material Status	• Commercial: Active
Availability	• North America
Uses	• Wire & Cable Applications
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Extrusion • Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.12	1.12 g/cm ³	ASTM D792
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Set	8 %	8 %	ASTM D412
Tensile Stress (100% Strain)	390 psi	2.69 MPa	ASTM D412
Tensile Strength (Break)	1100 psi	7.58 MPa	ASTM D412
Tensile Elongation (Break)	480 %	480 %	ASTM D412
Tear Strength ¹ (75°F (24°C))	160 lbf/in	28.0 kN/m	ASTM D624
Compression Set			ASTM D395B
75°F (24°C), 22 hr	13 %	13 %	
158°F (70°C), 22 hr	62 %	62 %	
Clash-Berg Modulus (-47°F (-44°C))	10000 psi	68.9 MPa	ASTM D1043
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	61	61	ASTM D2240
Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Viscosity (374°F (190°C), 300 sec ^A -1)	350 Pa·s	350 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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