

Technical Data Sheet

**Alcryn ALR FRC**

Melt Processable Rubber
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Additive	• Flame Retardant		
Features	• Flame Retardant • Good Weather Resistance	• Heat Aging Resistant • Oil Resistant	• Ozone Resistant
Uses	• Cable Jacketing • Conveyor Parts • Fabric Coatings	• Gaskets • Hose • Seals	• Sheet • Tubing • Wire Jacketing
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Calendering	• Extrusion	
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	2.50	2.49 g/cm ³	ASTM D792
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (100% Strain)	770 psi	5.31 MPa	ASTM D412
Tensile Strength (Yield)	1400 psi	9.65 MPa	ASTM D412
Tensile Elongation (Break)	310 %	310 %	ASTM D412
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, 0.0750 in (1.91 mm)	77	77	
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Volume Resistivity	2.7E+11 ohms·cm	2.7E+11 ohms·cm	ASTM D257
Dielectric Strength	730 V/mil	29 kV/mm	ASTM D149
Dielectric Constant (0.0250 in (0.635 mm))	5.73	5.73	ASTM D150
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.05 in (1.3 mm))	V-0	V-0	UL 94
Oxygen Index	30 %	30 %	ASTM D2863

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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