

Technical Data Sheet

Alcryn ALR FRC

Melt Processable Rubber
LyondellBasell Industries
Engineering Plastics

General			
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
Agency Ratings	• EU 2002/96/EC (WEEE)		
RoHS Compliance	• RoHS Compliant		
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.