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Technical Data Sheet

Alcryn FRC

Melt Processable Rubber

Product Description

Alcryn FRC EXT NAT is a Melt Processable Rubber material and is typically used in Calendering, Extrusion applications. Features include: Good Weather Resistance, Heat Aging Resistant, Oil Resistant, and Ozone Resistant.

Processing Method	Calendering; Extrusion
Attribute	Good Heat Aging Resistance; Good Weather Resistance; Oil Resistant; Ozone Resistant
Forms	Pellets
Appearance	Colors Available
Additive	Flame Retardant
Application	Cable Jacketing; Conveyor Parts; Fabric Coatings; Gaskets; Hose; Seals; Sheet; Tubing; Wire Jacketing

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	2.49	g/cm³	ASTM D792
Mechanical			
Tensile Stress at 100%	5.31	MPa	ASTM D412
Tensile Strength at Yield	9.65	MPa	ASTM D412
Tensile Elongation at Break	310	%	ASTM D412
Hardness			
Durometer Hardness, (Shore A, 1.91 mm)	77		ASTM D2240
Electrical			
Volume Resistivity	270000000000	ohm*cm	ASTM D257
Dielectric Constant, (0.635 mm)	5.73		ASTM D150
Dielectric Strength	29	kV/mm	ASTM D149
Flammable			
Oxygen Index	30	%	ASTM D2863
UL Information			
Flame Rating, (1.3 mm)	V-0		UL 94