

## Technical Data Sheet

### *Alcryn* ALR-7083NAT



Melt Processable Rubber

#### 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.

Processing Method	Extrusion; Injection Molding
Forms	Pellets
Appearance	Natural Color
Application	Wire & Cable

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Density - Specific Gravity	1.12	g/cm <sup>3</sup>	ASTM D792
Melt Viscosity, (190 °C, 300 sec <sup>-1</sup> )	350	Pa·s	ASTM D3835
<b>Mechanical</b>			
Tensile Stress at 100%	2.69	MPa	ASTM D412
Tensile Set	8	%	ASTM D412
Clash-Berg Modulus, (-44 °C)	68.9	MPa	ASTM D1043
Tensile Strength at Break	7.58	MPa	ASTM D412
Tensile Elongation at Break	480	%	ASTM D412
Tear Strength, (24 °C, Die C)	28.0	kN/m	ASTM D624
<b>Hardness</b>			
Shore Hardness, (Shore A)	61		ASTM D2240
<b>Additional Information</b>			
Compression Set			
(24 °C, 22 hr, Method B)	13	%	ASTM D395
(70 °C, 22 hr, Method B)	62	%	ASTM D395