

## 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           |                                 |
|-------------------|---------------------------------|
| 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 <sup>3</sup> | 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 <sup>1</sup> (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 <sup>-1</sup> ) | 350 Pa·s                | 350 Pa·s               | ASTM D3835  |

### Notes

<sup>1</sup> Die C

### Notes

These are typical property values not to be construed as specification limits.