

Technical Data Sheet

Alcryn 5080 BK

Melt Processable Rubber
LyondellBasell Industries
Engineering Plastics

| General | | | |
|-------------------|---|--|---|
| Features | <ul style="list-style-type: none"> Chemical Resistant Good Weather Resistance Heat Aging Resistant High Energy Absorption | <ul style="list-style-type: none"> Low Temperature Flexibility Noise Damping Oil Resistant Ozone Resistant | <ul style="list-style-type: none"> UV Resistant Vibration Damping |
| Uses | <ul style="list-style-type: none"> Coating Applications Fabric Coatings Gaskets Handles | <ul style="list-style-type: none"> Hose Profiles Seals Sheet | <ul style="list-style-type: none"> Tubing Weatherstripping Wire & Cable Applications |
| Agency Ratings | <ul style="list-style-type: none"> EU 2002/96/EC (WEEE) | | |
| RoHS Compliance | <ul style="list-style-type: none"> RoHS Compliant | | |
| Appearance | <ul style="list-style-type: none"> Black | | |
| Forms | <ul style="list-style-type: none"> Pellets | | |
| Processing Method | <ul style="list-style-type: none"> Blow Molding Calendering | <ul style="list-style-type: none"> Extrusion Injection Molding | <ul style="list-style-type: none"> Thermoforming |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity | 1.17 | 1.17 g/cm ³ | ASTM D792 |
| Elastomers | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Stress (100% Strain) | 935 psi | 6.45 MPa | ASTM D412 |
| Tensile Strength (Break) | 1790 psi | 12.3 MPa | ASTM D412 |
| Tensile Elongation (Break) | 300 % | 300 % | ASTM D412 |
| Compression Set | | | |
| 75°F (24°C) | 14 % | 14 % | ASTM D395 |
| 158°F (70°C), 22 Hr | 62 % | 62 % | ASTM D395B |
| Hardness | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Durometer Hardness (Shore A) | 77 | 77 | ASTM D2240 |

Additional Information
 The values listed as Specific Gravity, ASTM D792, were tested in accordance with ASTM D471.
 Melt Viscosity: 708 sec-1
 Property Retention after 4000 hrs QUV: 91

Notes

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