

Technical Data Sheet

**Alcryn 5080 BK**

Melt Processable Rubber
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Chemical Resistant • Good Weather Resistance • Heat Aging Resistant • High Energy Absorption	• Low Temperature Flexibility • Noise Damping • Oil Resistant • Ozone Resistant	• UV Resistant • Vibration Damping
Uses	• Coating Applications • Fabric Coatings • Gaskets • Handles	• Hose • Profiles • Seals • Sheet	• Tubing • Weatherstripping • Wire & Cable Applications
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Blow Molding • Calendering	• Extrusion • Injection Molding	• 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.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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