

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.