

Technical Data Sheet



Alcryn 2150 BK

Melt Processable Rubber
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Abrasion Resistant • Chemical Resistant	• Good Tear Strength • High Flow	• High Friction
Uses	• Automotive Interior Parts • Cable Jacketing • Gaskets	• Handles • Hose • Seals	• Tubing • Weatherstripping • Wire Jacketing
Automotive Specifications	• GM GMW16088P-TPZ(NBR+PVC) Type 4		
Appearance	• Black		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.13	1.13 g/cm ³	ASTM D471

Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Set	12 %	12 %	ASTM D412
Tensile Stress (100% Strain)	258 psi	1.78 MPa	ASTM D412
Tensile Strength	937 psi	6.46 MPa	ASTM D412
Tensile Elongation (Break)	560 %	560 %	ASTM D412
Tear Strength ¹ (75°F (24°C))	169 lbf/in	29.6 kN/m	ASTM D624
Compression Set ²			ASTM D395B
75°F (24°C), 22 hr	21 %	21 %	
212°F (100°C), 22 hr	89 %	89 %	

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, 0.0748 in (1.90 mm), Compression Molded	49	49	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	-92.0 °F	-68.9 °C	ASTM D746

Aging	Nominal Value (English)	Nominal Value (SI)	Test Method
Change in Tensile Strength in Air			ASTM D573
212°F (100°C), 1000 hr	0.0 %	0.0 %	
Change in Tensile Modulus in Air ³			ASTM D573
212°F (100°C), 1000 hr	7.6 %	7.6 %	
Change in Ultimate Elongation in Air			ASTM D573
212°F (100°C), 1000 hr	1.4 %	1.4 %	
Change in Volume			ASTM D471
75°F (24°C), 168 hr, in Reference Fuel B	12 %	12 %	
212°F (100°C), 168 hr, in ASTM #1 Oil	-31 %	-31 %	
212°F (100°C), 168 hr, in IRM 903 Oil #3	3.0 %	3.0 %	
212°F (100°C), 168 hr, in Water	4.0 %	4.0 %	

Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Viscosity (374°F (190°C), 300 sec ^A -1)	148 Pa·s	148 Pa·s	ASTM D3835

Notes

¹ Die C

² Type 1

³ 100% Modulus

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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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