

**Technical Data Sheet**  
**Alcryn® 2150 BK-NP**  
 Melt Processable Rubber  
 Engineering Plastics



General			
Features	<ul style="list-style-type: none"> <li>Abrasion Resistant</li> <li>Chemical Resistant</li> </ul>	<ul style="list-style-type: none"> <li>Good Tear Strength</li> <li>High Flow</li> </ul>	<ul style="list-style-type: none"> <li>High Friction</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Automotive Interior Parts</li> <li>Cable Jacketing</li> <li>Gaskets</li> </ul>	<ul style="list-style-type: none"> <li>Handles</li> <li>Hose</li> <li>Seals</li> </ul>	<ul style="list-style-type: none"> <li>Tubing</li> <li>Weatherstripping</li> <li>Wire Jacketing</li> </ul>
Agency Ratings	<ul style="list-style-type: none"> <li>EU 2002/96/EC (WEEE)</li> </ul>		
RoHS Compliance	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>		
Appearance	<ul style="list-style-type: none"> <li>Black</li> </ul>		
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.13	1.13 g/cm <sup>3</sup>	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 <sup>1</sup> (75°F (24°C))	169 lbf/in	29.6 kN/m	ASTM D624
Compression Set <sup>2</sup>			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 212°F (100°C), 1000 hr	0.0 %	0.0 %	ASTM D573
Change in Tensile Modulus in Air <sup>3</sup> 212°F (100°C), 1000 hr	7.6 %	7.6 %	ASTM D573
Change in Ultimate Elongation in Air 212°F (100°C), 1000 hr	1.4 %	1.4 %	ASTM D573
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 <sup>-1</sup> )	148 Pa·s	148 Pa·s	ASTM D3835

**Notes**  
<sup>1</sup> Die C  
<sup>2</sup> Type 1  
<sup>3</sup> 100% Modulus