



# Alcryn® 2060 BK

Melt Processable Rubber  
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Fast Molding Cycle • General Purpose • High Flow • High Heat Resistance	• Noise Damping • Oil Resistant • Ozone Resistant • Recyclable Material	• Vibration Damping • Weather Resistant
Uses	• Cable Jacketing • Coating Applications • Fabric Coatings • Flexible Grips • Gaskets	• General Purpose • Handles • Hose • Overmolding • Profiles	• Seals • Tubing • Weatherstripping • Wire & Cable Applications
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• GM GMP.TECEA.001	• GM GMW16088P-TPZ(NBR+PVC) Type 1	
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Blow Molding • Extrusion	• Injection Molding • Vacuum Forming	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity			
--	1.10	1.10 g/cm <sup>3</sup>	ASTM D471
--	1.10 g/cm <sup>3</sup>	1.10 g/cm <sup>3</sup>	ISO 2781
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Taber Abrasion Resistance			ASTM D1044
1000 Cycles, 1000 g, CS-17 Wheel	5.00 mg	5.00 mg	
Torsion Modulus <sup>1</sup>			ASTM D1043
-4°F (-20°C), 74.8 mil (1.90 mm)	856 psi	5.90 MPa	
75°F (24°C), 74.8 mil (1.90 mm)	319 psi	2.20 MPa	
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Set <sup>2</sup>	9 %	9 %	ASTM D412
Tensile Stress			
100% Strain, 0.0748 in (1.90 mm) <sup>1</sup>	421 psi	2.90 MPa	ASTM D412 ISO 37
100% Strain, 257°F (125°C), 0.0748 in (1.90 mm) <sup>3</sup>	392 psi	2.70 MPa	ASTM D573 ISO 188
Tensile Strength			
Yield, 0.0748 in (1.90 mm) <sup>1</sup>	1160 psi	8.00 MPa	ASTM D412 ISO 37
Yield, 257°F (125°C), 0.0748 in (1.90 mm) <sup>3</sup>	1100 psi	7.60 MPa	ASTM D573 ISO 188



# Alcryn<sup>®</sup> 2060 BK

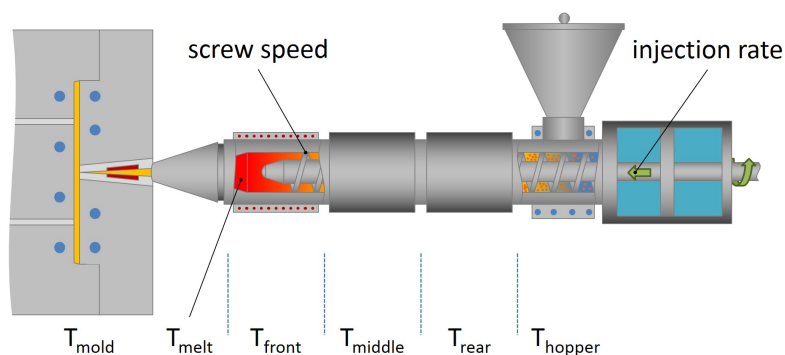
Melt Processable Rubber  
Engineering Plastics

Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Elongation			
Break, 0.0748 in (1.90 mm) <sup>1</sup>	410 %	410 %	ASTM D412 ISO 37
Break, 257°F (125°C), 0.0748 in (1.90 mm) <sup>3</sup>	390 %	390 %	ASTM D573 ISO 188
Tear Strength <sup>4, 1</sup> (0.0748 in (1.90 mm))	155 lbf/in	27.1 kN/m	ASTM D624
Compression Set <sup>5</sup>			ASTM D395B ISO 815
75°F (24°C), 22 hr	13 %	13 %	
212°F (100°C), 22 hr	62 %	62 %	
Clash-Berg Modulus (-40°F (-40°C))	10000 psi	68.9 MPa	ASTM D1043
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240 ISO 868
Shore A, 0.0748 in (1.90 mm), Compression Molded	59	59	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	-125 °F	-87.0 °C	ASTM D746 ISO 812
Aging	Nominal Value (English)	Nominal Value (SI)	Test Method
Change in Durometer Hardness in Air <sup>2</sup>			ASTM D573 ISO 188
Shore A, 257°F (125°C), 168 hr	4.0	4.0	
Change in Volume <sup>2</sup>			ASTM D471 ISO 1817
81°F (27°C), 168 hr, in Reference Fuel B	25 %	25 %	
212°F (100°C), 168 hr, in ASTM #1 Oil	-19 %	-19 %	
212°F (100°C), 168 hr, in IRM 903 Oil	16 %	16 %	
212°F (100°C), 168 hr, in Water	8.0 %	8.0 %	
Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Viscosity (374°F (190°C), 300 sec <sup>-1</sup> )	365 Pa·s	365 Pa·s	ASTM D3835



## Alcryn<sup>®</sup> 2060 BK

Melt Processable Rubber  
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Processing (Melt) Temp	351 °F	177 °C



## Alcryn<sup>®</sup> 2060 BK

Melt Processable Rubber  
Engineering Plastics

### Notes

<sup>1</sup> Compression Molded

<sup>2</sup> 1.9 mm, Compression Molded

<sup>3</sup> 7 days, Compression Molded

<sup>4</sup> Die C

<sup>5</sup> Type I pellets, 12.7 mm diameter, plied up from 1.9 mm slabs