Alcryn® 2060 BK

Melt Processable Rubber

Advanced Polymer Alloys

Message:

Alcryn® 2060 BK is a Melt Processable Rubber (MPR) material. It is available in Asia Pacific, Europe, or North America for blow molding, extrusion, injection molding, or vacuum forming. Important attributes of Alcryn® 2060 BK are: RoHS Compliant Chemical Resistant Eco-Friendly/Green Fast Molding Cycle Good Weather Resistance Typical applications include: Automotive Coating Applications Engineering/Industrial Parts Handles

Hose/Tubing

General Information	
UL YellowCard	E115006-219315
Features	Fast Molding Cycle
	General Purpose
	Good Weather Resistance
	High Flow
	High Heat Resistance
	Noise Damping
	Oil Resistant
	Ozone Resistant
	Recyclable Material
	Vibration Damping
Uses	Cable Jacketing
	Coating Applications
	Fabric Coatings
	Flexible Grips
	Gaskets
	General Purpose
	Handles
	Hose
	Overmolding
	Profiles
	Seals
	Tubing

Weatherstripping

Wire & Cable Applications

Appearance Black Forms Pelles Processing Method Blow Molling Extrusion Extrusion Injection Molding Vocum Forming Processing Method Nominal Value Unit Pelles Nominal Value Unit Processing Molited Nominal Value Unit Durometer Hardness (Shore A, 190 mm, Compression Molder) Spol Stat Molda Durometer Hardness (Shore A, 190 mm, Compression Molder) Spol Mithod Tober Abrasion Resistance (1000 Cycles, 1000 g, Sci 71 Whee) Spol Marka Torsion Modulus ¹ Spol Marka Still D240, ISO 286 24°C, 130 mm Spol Marka Still D431 24°C, 130 mm Spol Marka Still D432 24°C, 130 mm Spol Marka Still D432 24°C, 130 mm Spol Marka Still D432 24°C, 130 mm Spol Marka ASTIM D421, ISO 276 1000 strain, 13°D m ³ Spol Marka ASTIM D432, ISO 387 Tensile Stres	RoHS Compliance	RoHS Compliant		
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Yield, 1.90 mm ⁵ 8.00 MPa ASTM D412, ISO 37 Yield, 125°C, 1.90 mm ⁶ 7.60 MPa ASTM D573, ISO 188 Tensile Elongation STM D573, ISO 188 StM D573, ISO 188 Break, 125°C, 1.90 mm ⁷ 390 % ASTM D573, ISO 188 Break, 125°C, 1.90 mm ⁷ 390 % ASTM D573, ISO 188 Break, 1.90 mm ⁸ 410 % ASTM D412, ISO 37 Tear Strength (1.90 mm) 27.1 kN/m ASTM D624 Compression Set ⁹ 27.1 kN/m ASTM D573, ISO 188 24°C, 22 hr 13 % STM D395B, ISO 815 100°C, 22 hr 62 % STM D1043 Aging Nominal Value Unit Test Method ASTM D573, ISO 188 Change in Durometer Hardness in Air ¹⁰ 4.0 ASTM D573, ISO 188 ASTM D573, ISO 188	100% Strain, 125°C, 1.90 mm ⁴	2.70	MPa	ASTM D573, ISO 188
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Compression Set ⁹ ASTM D395B, ISO 815 24°C, 22 hr 13 % 100°C, 22 hr 62 % Clash-Berg Modulus (-40°C) 68.9 MPa ASTM D1043 Aging Nominal Value Unit Test Method Change in Durometer Hardness in Air ¹⁰ 4.0 ASTM D573, ISO 188 Change in Volume ¹¹ 11 State St	Break, 1.90 mm ⁸	410	%	ASTM D412, ISO 37
24°C, 22 hr13%100°C, 22 hr62%Clash-Berg Modulus (-40°C)68.9MPaASTM D1043AgingNominal ValueUnitTest MethodChange in Durometer Hardness in Air ¹⁰ (Shore A, 125°C, 168 hr)4.0ASTM D573, ISO 188Change in Volume ¹¹ Set MethodSet Method	Tear Strength (1.90 mm)	27.1	kN/m	ASTM D624
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Clash-Berg Modulus (-40°C)68.9MPaASTM D1043AgingNominal ValueUnitTest MethodChange in Durometer Hardness in Air ¹⁰ (Shore A, 125°C, 168 hr)4.0	24°C, 22 hr	13	%	
Aging Nominal Value Unit Test Method Change in Durometer Hardness in Air ¹⁰ (Shore A, 125°C, 168 hr) 4.0 ASTM D573, ISO 188 Change in Volume ¹¹ State of the state	100°C, 22 hr	62	%	
Change in Durometer Hardness in Air ¹⁰ (Shore A, 125°C, 168 hr) 4.0 ASTM D573, ISO 188 Change in Volume ¹¹	Clash-Berg Modulus (-40°C)	68.9	MPa	ASTM D1043
(Shore A, 125°C, 168 hr) 4.0 ASTM D573, ISO 188 Change in Volume ¹¹	Aging	Nominal Value	Unit	Test Method
	Change in Durometer Hardness in Air ¹⁰ (Shore A, 125°C, 168 hr)	4.0		ASTM D573, ISO 188
27°C, 168 hr, in Reference Fuel B 25 % ASTM D471, ISO 1817	Change in Volume ¹¹			
	27°C, 168 hr, in Reference Fuel B	25	%	ASTM D471, ISO 1817

100°C, 168 hr, in ASTM Oil #1	-19	%	ASTM D471		
100°C, 168 hr, in IRM 903 Oil	16	%	ASTM D471, ISO 1817		
100°C, 168 hr, in Water	8.0	%	ASTM D471, ISO 1817		
100°C, 168 hr, in ASTM #1 Oil	-19	%	ISO 1817		
Thermal	Nominal Value	Unit	Test Method		
Brittleness Temperature	-87.0	°C	ASTM D746, ISO 812		
Fill Analysis	Nominal Value	Unit	Test Method		
Melt Viscosity (190°C, 300 sec^-1)	365	Pa·s	ASTM D3835		
Injection	Nominal Value	Unit			
Processing (Melt) Temp	177	°C			
NOTE					
1.	Compression Molded				
2.	1.9 mm, Compression Molded				
3.	Compression Molded	Compression Molded			
4.	7 days, Compression Molded	7 days, Compression Molded			
5.	Compression Molded	Compression Molded			
6.	7 days, Compression Molded				
7.	7 days, Compression Molded	7 days, Compression Molded			
8.	Compression Molded				
9.	Type I pellets, 12.7 mm diameter, plied up from 1.9 mm slabs				
10.	1.9 mm, Compression Molded				
11.	1.9 mm, Compression Molded				

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