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

RoHS Compliance	RoHS Compliant
Appearance	Black
Forms	Pellets
Processing Method	Blow Molding
	Extrusion
	Injection Molding
	Vacuum Forming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm³	ASTM D471, ISO 2781
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 1.90 mm, Compression Molded)	59		ASTM D2240, ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Taber Abrasion Resistance (1000 Cycles, 1000 g, CS-17 Wheel)	5.00	mg	ASTM D1044
Torsion Modulus [1]			ASTM D1043
-20°C, 1.90 mm	5.90	MPa	
24°C, 1.90 mm	2.20	MPa	
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Set [2]	9	%	ASTM D412
Tensile Stress			
100% Strain, 1.90 mm [3]	2.90	MPa	ASTM D412, ISO 37
100% Strain, 125°C, 1.90 mm [4]	2.70	MPa	ASTM D573, ISO 188
Tensile Strength			
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			
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]			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] (Shore A, 125°C, 168 hr)	4.0		ASTM D573, ISO 188
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		
4.	7 days, Compression Molded		
5.	Compression Molded		
6.	7 days, Compression Molded		
7.	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		

Recommended distributors for this material

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