Alcryn® 2360 NC

Melt Processable Rubber

Advanced Polymer Alloys

Message:

Alcryn® 2360 NC is a Melt Processable Rubber (MPR) material. It is available in Asia Pacific, Europe, or North America.
Important attributes of Alcryn® 2360 NC are:
RoHS Compliant
WEEE Compliant

General Information			
Agency Ratings	EU 2002/96/EC (WEEE)		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.12	g/cm³	ASTM D792, ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	61		ASTM D2240, ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Taber Abrasion Resistance			ASTM D1044
1000 g, CS-17 Wheel	0.0310	mg	
1000 g, CS-18 Wheel	0.333	mg	
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Set	9	%	ASTM D412
Tensile Stress (100% Strain)	2.55	MPa	ASTM D412, ISO 37
Tensile Strength (Yield)	8.27	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	380	%	ASTM D412, ISO 37
Tear Strength			
24°C [1]	24.5	kN/m	ASTM D624
24°C	25	kN/m	ISO 34-1
Compression Set			
24°C, 22 hr	16	%	ASTM D395A
70°C, 22 hr	52	%	ASTM D395A
100°C, 22 hr	66	%	ASTM D395A
24°C, 22 hr [2]	16	%	ISO 815
70°C, 22 hr [3]	52	%	ISO 815
100°C, 22 hr [4]	66	%	ISO 815
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air			
125°C, 168 hr	130	%	ASTM D573, ISO 188
100% Strain, 125°C, 168 hr	110	%	ASTM D573

100% Strain 125°C, 168 hr	110	%	ISO 188
Change in Ultimate Elongation in Air (125°C, 168 hr)	96	%	ASTM D573, ISO 188
Change in Volume			
100°C, 168 hr, in ASTM Oil #1	-28	%	ASTM D471
100°C, 168 hr, in IRM 903 Oil #3	-19	%	ASTM D471
100°C, 168 hr, in Water	-43	%	ASTM D471, ISO 1817
100°C, 168 hr, in ASTM #1 Oil	-28	%	ISO 1817
100°C, 56640 hr, in IRM 903 Oil #3	-19	%	ISO 1817
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-41.0	°C	ASTM D746, ISO 812
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (190°C, 300 sec^-1)	170	Pa·s	ASTM D3835
Injection	Nominal Value	Unit	
Processing (Melt) Temp	177	°C	
NOTE			
1.	Die C		
2.	Type A		
3.	Type A		
4.	Type A		

Recommended distributors for this material

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