

Alcryn® 2380 BK

Melt Processable Rubber

Advanced Polymer Alloys

Message:

Alcryn® 2380 BK is a Melt Processable Rubber (MPR) material. It is available in Asia Pacific, Europe, or North America.

Important attributes of Alcryn® 2380 BK are:

RoHS Compliant

WEEE Compliant

General Information			
Agency Ratings	EU 2002/96/EC (WEEE)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792, ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	79		ASTM D2240, ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Set	13	%	ASTM D412
Tensile Stress (100% Strain)	4.69	MPa	ASTM D412, ISO 37
Tensile Strength (Yield)	11.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	550	%	ASTM D412, ISO 37
Tear Strength			
24°C ¹	40.3	kN/m	ASTM D624
24°C	40	kN/m	ISO 34-1
Compression Set			
24°C, 22 hr	21	%	ASTM D395A
100°C, 22 hr	70	%	ASTM D395A
24°C, 22 hr ²	21	%	ISO 815
100°C, 22 hr ³	70	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			
125°C, 168 hr	96	%	ASTM D573, ISO 188
100% Strain, 125°C, 168 hr	83	%	ASTM D573
100% Strain 125°C, 168 hr	83	%	ISO 188
Change in Volume			
100°C, 168 hr, in ASTM Oil #1	17	%	ASTM D471
100°C, 168 hr, in IRM 903 Oil #3	29	%	ASTM D471
100°C, 168 hr, in Water	-10	%	ASTM D471, ISO 1817
100°C, 168 hr, in ASTM #1 Oil	17	%	ISO 1817

100°C, 57120 hr, in IRM 903 Oil #3	29	%	ISO 1817
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (190°C, 300 sec ⁻¹)	630	Pa·s	ASTM D3835
Injection	Nominal Value	Unit	
Processing (Melt) Temp	177	°C	
NOTE			
1.	Die C		
2.	Type A		
3.	Type A		

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