

Salflex 364A

Thermoplastic Vulcanizate

Salflex Polymers Ltd.

Message:

Salflex 364A is a thermoplastic vulcanized rubber (TPV) product. It can be processed by blow molding, extrusion or injection molding, and is available in North America. The application areas of Salflex 364A include the automotive industry and bags/linings.

Features include:

Good tear strength

Good flexibility

Impact resistance

fatigue resistance

General Information			
Features	Impact resistance, high		
	Good flexibility		
	Good tear strength		
	Ozone resistance		
	Fatigue resistance		
Uses	Lining		
	Application in Automobile Field		
	Car interior equipment		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	63		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.40	MPa	ASTM D412
Tensile Strength (Break)	5.80	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength	33.0	kN/m	ASTM D624
Compression Set (70°C, 22 hr)	45	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	-12	%	ASTM D573

Change in Ultimate Elongation in Air (150°C, 168 hr)	28	%	ASTM D573
Change in Durometer Hardness in Air (Shore A, 150°C, 168 hr)	-4.0		ASTM D573
Change in Tensile Strength (125°C, 70 hr, in IRM 903 Oil)	-34	%	ASTM D471
Change in Ultimate Elongation (125°C, 70 hr, in IRM 903 Oil)	-19	%	ASTM D471
Change in Volume (125°C, 70 hr, ASTM Standard Oil (No.3))	88	%	ASTM D471
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 - 75.0	°C	
Drying Time	2.0 - 4.0	hr	
Cylinder Zone 1 Temp.	175 - 205	°C	
Cylinder Zone 2 Temp.	175 - 210	°C	
Cylinder Zone 3 Temp.	175 - 210	°C	
Cylinder Zone 4 Temp.	175 - 220	°C	
Melt Temperature	180 - 210	°C	
Die Temperature	175 - 215	°C	
Extrusion instructions			

Blow Molding Mold Temperature: 5 to 60°C

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