

Salflex 375A

Thermoplastic Vulcanizate

Salflex Polymers Ltd.

Message:

Salflex 375A is a thermoplastic vulcanized rubber (TPV) product. It can be processed by blow molding, extrusion or injection molding, and is available in North America. Typical application areas are: automotive industry.

Features include:

Good tear strength

fatigue resistance

General Information	
Features	Good tear strength Ozone resistance Fatigue resistance
Uses	Application in Automobile Field Car interior equipment
Forms	Particle
Processing Method	Blow molding Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ISO 1183/A
Molding Shrinkage	1.5	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	76		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.70	MPa	ISO 37
Tensile Stress (Break)	8.60	MPa	ISO 37
Tensile Elongation (Break)	540	%	ISO 37
Tear Strength ¹	49	kN/m	ISO 34-1
Compression Set (125°C, 70 hr)	53	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	-7.0	%	ISO 188
Change in Tensile Strain at Break in Air (150°C, 168 hr)	-24	%	ISO 188
Change in Shore Hardness in Air (Shore A, 150°C, 168 hr)	-1.0		ISO 188
Change in Tensile Strength (125°C, 70 hr, in IRM 903 Oil)	-34	%	ISO 1817

Change in Tensile Strain at Break (125°C, 70 hr, in IRM 903 Oil)	-31	%	ISO 1817
Change in Volume (125°C, 70 hr, in IRM 903 Oil)	83	%	ISO 1817
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature (Type B)	-62.0	°C	ISO 812
Injection	Nominal Value	Unit	
Drying Temperature	60.0 - 75.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	190 - 200	°C	
Middle Temperature	190 - 230	°C	
Front Temperature	190 - 230	°C	
Nozzle Temperature	190 - 230	°C	
Processing (Melt) Temp	195 - 215	°C	
Mold Temperature	27.0 - 40.0	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 - 75.0	°C	
Drying Time	2.0 - 4.0	hr	
Cylinder Zone 1 Temp.	175 - 210	°C	
Cylinder Zone 2 Temp.	175 - 215	°C	
Cylinder Zone 3 Temp.	175 - 215	°C	
Cylinder Zone 4 Temp.	175 - 215	°C	
Melt Temperature	180 - 215	°C	
Die Temperature	180 - 220	°C	
Extrusion instructions			
Blow Molding Mold Temperature: 5 to 60°C			
NOTE			

- Method B, right-angle specimen (cut)

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