

Salflex 355A

Thermoplastic Vulcanizate

Salflex Polymers Ltd.

Message:

Salflex 355A is a thermoplastic vulcanized rubber (TPV) product. It can be processed by blow molding, extrusion or injection molding, and is available in North America. Salflex 355A applications include the automotive industry and engineering/industrial accessories.

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	Washer		
	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	1.6 - 2.0	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	58		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.10	MPa	ISO 37
Tensile Stress (Break)	5.10	MPa	ISO 37
Tensile Elongation (Break)	440	%	ISO 37
Tear Strength ¹	30	kN/m	ISO 34-1
Compression Set (125°C, 70 hr)	44	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	-20	%	ISO 188

Change in Tensile Strain at Break in Air (150°C, 168 hr)	-4.5	%	ISO 188
Change in Shore Hardness in Air (Shore A, 150°C, 168 hr)	0.0		ISO 188
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature (Type B)	-60.0	°C	ISO 812
Injection	Nominal Value	Unit	
Drying Temperature	60.0 - 75.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	185 - 205	°C	
Middle Temperature	190 - 220	°C	
Front Temperature	190 - 225	°C	
Nozzle Temperature	195 - 230	°C	
Processing (Melt) Temp	190 - 210	°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 - 200	°C	
Cylinder Zone 2 Temp.	175 - 205	°C	
Cylinder Zone 3 Temp.	175 - 205	°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			

1. Method B, right-angle specimen
(cut)

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