Salflex 364AH

Thermoplastic Vulcanizate

Salflex Polymers Ltd.

Message:

Salflex 364AH is a Thermoplastic Vulcanizate (TPV) product. It can be processed by injection molding and is available in North America. Applications of Salflex 364AH include automotive, engineering/industrial parts and bags/liners.
Characteristics include:
Fatigue Resistant
Good Flexibility
Good Tear Strength
Impact Resistant

General Information			
Features	Fatigue Resistant Good Flexibility Good Tear Strength High Impact Resistance Ozone Resistant		
Uses	Automotive Applications Automotive Interior Trim Grommets Liners Overmolding		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.920	g/cm³	ISO 1183/A
Molding Shrinkage	1.5	%	ISO 294-4
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A, 15 sec)	68		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	3.50	MPa	ISO 37
Tensile Stress (Break)	6.30	MPa	ISO 37
Tensile Elongation (Break)	500	%	ISO 37
Tear Strength [1]	31	kN/m	ISO 34-1
Compression Set (70°C, 22 hr)	40	%	ISO 815
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air (125°C, 1000 hr)	-22	%	ISO 188
Change in Tensile Strain at Break in Air (125°C, 1000 hr)	-46	%	ISO 188

Change in Shore Hardness in Air (Shore A, 125°C, 1000 hr)	-3.0		ISO 188
Change in Tensile Stress (125°C, 168 hr, in IRM 903 Oil)	-38	%	ISO 1817
Change in Tensile Strain at Break (125°C, 168 hr, in IRM 903 Oil)	-78	%	ISO 1817
Change in Volume (125°C, 168 hr, in IRM 903 Oil)	60	%	ISO 1817

Injection	Nominal Value	Unit
Drying Temperature	60.0 to 75.0	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	185 to 215	°C
Middle Temperature	190 to 220	°C
Front Temperature	190 to 220	°C
Nozzle Temperature	195 to 225	°C
Processing (Melt) Temp	195 to 215	°C
Mold Temperature	27.0 to 40.0	°C

NOTE	
1.	Method Bb, Angle (Nicked)

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