

Other special rubber sheets from Zenith Rubber Industries M.E. LLC.



Viton Sheeting:

(FKM or Fluoroelastomer) is highly recommended in most demanding industrial application where resistance to heat over 275C and capability to resist majority of hydrocarbon oils, acids and alkalis are required. They are also good resistant to fire and usually self extinguishing type in nature.



Silicon Sheeting:

Due to its inert and non reactive nature they are mostly preferred in pharma as well as food related industry. Though they have low mechanical properties but offer greater resistant to adverse conditions like high temperature up to 220C, resistance to ozone besides electrical currents.



Hypalon Sheeting:

CSM (Chlorosulphonated Polyethylene) Rubber sheeting based on Hypalon offers excellent resistance to extreme weather conditions, due to its impermeable nature it is highly recommended in area related to acid/alkali resistance. It also offers resistance to fire and can withstand temperature up to 150C



Butyl sheeting:

The sheets from Butyl offer excellent impermeability to gases, offers excellent resistance to oxidation and sun light, it has lowest resilience which makes it one of the most preferred rubber for vibration damping. It also offers excellent resistance to acids and alkalis.



Technical Data Sheet for Viton, Silicon, Hypalon and Butyl rubber.

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TECHNICAL DATA SHEET

Properties	Test Method	Unit	VITON	SILICONE	HYPALON	BUTYL
			VI 70190	SI 60120	HN 65135	IR 70130
Density	ASTM D 297	g/cm³	1.95 ± 0.05	1.20 ± 0.05	1.35 ± 0.05	1.30 ± 0.05
Hardness	ASTM D 2240	Shore A	75 ± 5	60 ± 5	65 ± 5	70 ± 5
Tensile Strength	ASTM D 412	Kg/Cm²	50	60	100	90
Elongation	ASTM D 412	%	200	250	300	300
Abrasion	ASTM D 5963	MM³	NA	NA	250	250
Compression set	ASTM D 395 B	%	45	30	25	40
Tear strength	ASTM D 624	Kg/Cm	18	25	25	20
After heat aged @ 70°C x 70 Hrs	ASTM D 573					
Hardness		%	+2	+2	+3	+5
Tensile Strength		%	± 5	± 5	± 10	± 5
Elongation		%	± 5	± 5	± 10	± 5
Volume swell @ 70°C x 72 Hrs	ASTM D 471					
ASTM OIL #1		%	+1	NR	+15	NR
ASTM OIL #2		%	+3		+20	
ASTM OIL #3		%	+5		+25	
Chem. Resist	ASTM D 1149					
Ozone			Excellent	Excellent	Excellent	Excellent
Dil. Acid and Base			Excellent	Excellent	Excellent	Excellent
Cont. Acid & Base			Excellent	Excellent	Good	Excellent
Oil			Very Good	NR	Good	NR
Ketone / Alcohol			Very Good	Fair	Good	NR
Temperature		°C	-20 To + 275	-50 To + 220	-30 To + 150	-40 To + 140
Colour			Black	Red, White, Brick red	Various Colours	Black

* NR = Not Recommended

* Test properties are based on Lab conditions, small variation possible between Lab to Lab.