

Viton FKM Rubber Sheet

V700 Series

Description

70 shore A FKM rubber sheet is a black premium grade 70 duro fluoroelastomer sheet, which has very high temperature and chemical resistance, to acids and alkalis. It is also a viable choice for resistance to petroleum based oil and fuel including petrol, diesel and LPG. It is also resistant to mineral acids and aliphatic and aromatic hydrocarbons. It is UV stable, ensuring it is highly resistant to ozone effects and weathering.

Viton FKM rubber sheet contains a 64% fluorine content to maintain its fluid resistance at high temperatures and flexibility at low temperatures. This ensures its suitability for critical temperature sealing and corrosion protection applications..

Applications

Viton FKM rubber sheet now utilised regularly inside the vehicle, equipment, substance variety, and also fluid energy sectors simply because of its natural amount of resistance to both energy and gas. As well as energy and engine essential oil opposition, Viton rubber gaskets and other elements comes with a highly effective excellent reputation as being a substantial-undefinedefficiency elastomer which could functionality in sizzling hot and very corrosive configurations. These sorts of capabilities make Viton an ordinary choice for elements that require to achieve success in stressful conditions.

Data Sheet

Physical Properties	Test Method	V700	V705	VB700
Color	-	Black	Black	Brown
Hardness shore A	ASTM D2240	70	75	70
Density	ASTM D297	2	1.95	1.95
Elongation at break (%)	ASTM D395B	210	190	240
Tensile strength (mpa)	ASTM D412	9	9.5	9.2
Compression set (%)	ASTM D395B	50	30	43
Max long-term temp (°C)	-	225	225	220

* Compression set tested 22 hr at 175 °C

* Other hardness shore A and physical properties can be custom made



Advantages

Viton fkm rubber sheet has excellent compression set resistance and good abrasion resistance. Depending on grade, tensile strength is around 1,000 psi and durometer is between 50 and 90. Viton fkm rubber sheet pairs well with gasoline and aviation fuel, aliphatic hydrocarbons like methane, ethane and propane, and water. It also withstands weathering and exposure to ozone. It has good temperature range from -20 to 220°C