

## KIFK05 ISM FKM 75 Brown

ISM COMPOUNDS

A PRODUCT OF INDUSTRIAL SPARES MANUFACTURING AND TRADING CO

### Product description:

KIFK05 ISM FKM 75 Brown is an fluorocarbon elastomer of group A, which is a co-polymer of Vinylidene fluoride and hexafluoropolypropylene. This saturated polymer is bisphenol curable.

### Chemistry:

The fluorine presence enhance the polymer with higher electro-negativity resulting in resistance to variety of non-polar oils and heat resistance

### Properties:

Withstands high temperature and is oil resistant. Since saturated it has excellent weather and ozone resistance. Good mechanical properties at higher temperature ranges and fair low temperature resistivity.

### Applications:

In places where high temperature alongside oil and chemical resistance with excellent weather properties are required.

### Service temperature:

-20 °C to 204 °C

### Product ranges:

O-rings, Seals

## Physical properties:

S.No	Description	ASTM Test Method	Unit	Specification
I	Hardness	D2240	Shore A	75 +/- 5
II	Tensile Strength (Min)	D412	Mpa	7
III	Elongation (Min)	D412	%	100
IV	Compression Set (Max) 22hrs@200°C	D395 Method B	%	50
V	Heat Ageing 70hrs @250°C Hardness Change Tensile Change (Max) Elongation Change(Max)	D573	Shore A % %	± 15 ± 30 -50
VI	ASTM : 3 Oil Ageing 70hrs @150°C Volume Swelling (Max)	D471	%	±10

*The technical datasheets are derived on the basis of the service conditions and end user preference in which the values derived are given over a range of specifications which are cross checked over a variety of trials and approved with the end user conditions and calculated over a prolonged time*



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