

**VERTEX F09 M** is an FFKM75 Sh-A compound developed for Excellent Chemical and Steam Resistance.

### Material Data

S.N	Description	ASTM Test Method	Unit	Spec
1.	Hardness	D2240	Shore A	75±5
2.	Density	D792	gm/cc	1.96±0.05
3.	Tensile Strength	D412	MPa	16 (Min)
4.	Elongation @break	D412	%	100 (Min)
5.	Compression Set 24hrs@200°C	D395	%	30 (Max)

The material has excellent chemical resistance to aggressive media such as acids, alkalies, aldehydes, ketones, ester, ether, aqueous ammonia, tetra hydro furan, benzene, toluene, carbon tetrachloride, dichloromethane, ethylene di amine, hot water and steam, sour gases and hydrocarbons etc. Do not use any "VERTEXF" Series grades with molten alkali metals.

### Chemical Resistance Data

Fluid	Volume swelling	Fluid	Volume swelling	Fluid	Volume swelling
HCl,35%,40°C	<10%	Benzene	<10%	Trichloroethylene	<10%
Sulfuric acid, 96%	<10%	Ethylene di amine	<10%	Tetra chloro ethylene	<10%
Tetra hydro furan	<10%	Hot water	<10%	Aqueous ammonia	<10%
Acetaldehyde	<10%	Steam	<10%	Acetic anhydride	<10%
Acetone	<10%	Sour gases	<10%		
Hexane	<10%	Toluene	<10%		

**Note:** This information is to the best of our knowledge accurate and reliable and it does not necessarily indicate the end product performance. Hence, it is the customer's responsibility to evaluate the parts prior to use, especially in applications where the failure may result in injury and or damage.

\*The temperature range mentioned above may be vary with seal design and application parameters.

### Features & Benefits

Lower volumetric swell

Higher resistance to wide range of fluids under pressure

Very good chemical compatibility

Unrivalled Chemical resistance

Operating temperatures from -20°C to +270°C\*

### Product Range

O rings

Gaskets

Diaphragms

Pump housing

