



VERTEX F10 M is an FFKM 90 Sh-A compound developed for Excellent Chemical and Steam Resistance.

Material Data

S.No	Description	ASTM Test Method	Unit	Spec
1.	Hardness	D 2240	Shore A	90±5
2.	Density	D 792	gm/cc	1.96±0.05
3.	Tensile Strength	D 412	MPa	16 (Min)
4.	Elongation @ break	D 412	%	80 (Min)
5.	Compression Set 24hrs@200°C	D 395	%	30 (Max)

The material has excellent chemical resistance to aggressive media such as acids, alkalis, aldehydes, ketones, ester, ether, aqueous ammonia, tetrahydrofuran, benzene, toluene, carbon tetrachloride, dichloromethane, ethylene diamine, hot water and steam, sour gases and hydrocarbons etc. However, this material is not suitable for use in Stronger Organic & Inorganic acids at higher temperatures. Do not use any "VERTEX F" 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 diamine	<10%	Tetrachloroethylene	<10%
Tetrahydrofuran	<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.

Features & Benefits

Lower volumetric swell

Higher resistance to wide range of fluids under pressure

Very good chemical compatibility

Unrivalled Chemical resistance

Lower Service Temperature: -10°C.

Upper Service Temperature: +250°C Continuous.

Intermittent: +270°C.

Product Range

O rings

Gaskets

Diaphragms

Pump housing

