ISMAT

Advance with ISMAT

VERTEX F07 LT

VERTEX F07 LT is an FFKM 90 Sh-A compound developed for Excellent Chemical and Low temperature 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	2.0±0.05
3.	Tensile Strength	D 412	MPa	11.3 (Min)
4.	Elongation @ break	D 412	%	80 (Min)
5.	Compression Set 24hrs@200°C	D 395	%	30 (Max)

The material has outstanding chemical resistance to aggressive media such as hot organic and inorganic acids, caustics, amines (especially hot amines, i.e., at temperature higher than +70 °C), ketones, aldehydes, esters, ethers, alcohols, fuels, solvents, sour gases, hydrocarbons, steam, hot water, ethylene and propylene oxide and mixed process streams. Do not use any "VERTEX F" Series grades with molten alkali metals.

Chemical Resistance Data

Fluid	Volume swelling	Fluid	Volume swelling	Fluid	Volume swelling
Inorganic acids	<10%	Water/Steam	<10%	Alcohols	<10%
Organic acids	<10%	Ketones	<10%	Hydrocarbons	<10%
Alkalis	<10%	Esters	<10%	Sour gas	<10%
Amines (RT)	<10%	Ethers	<10%	Lubricants	<10%
Hot amines (>70°C)	10-30%	Aldehydes	<10%	Fluorinated fluids	30-50%

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
- Operating temperatures from -40°C to +240°C

Applications

- Valves
- Pumps
- Mechanical seals
- Compressors reactors

Product Range

- O rings
- Gaskets
- Diaphragms
- Pump housing

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