



**VERTEX FC 10** is a terpolymer FKM compound specifically Crafted for Rapid Gas Decompression & Extreme 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	1.83±0.05
3.	Tensile Strength	D 412	MPa	14 (Min)
4.	Elongation @ break	D 412	%	120 (Min)
5.	Compression Set 22hrs@200°C	D 395 Method B	%	25 (Max)
	Compression Set 70hrs@200°C		%	35 (Max)

**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.

### Certifications



NORSOK M710 (RGD)



API 6A (10% H<sub>2</sub>S @ 200°C)



NACE TM0187 (SOUR FLUID IMMERSION 20% H<sub>2</sub>S)  
NACE TM0192 (CARBONDIOXIDE DECOMPRESSION ENVIRONMENTS)

### Features & Benefits

Lower volumetric swell

Higher resistance to wide range of fluids under pressure

Very good chemical compatibility

Unrivalled ED and Extreme Low temperature resistance

Operating temperatures from -30°C to +204°C

### Applications

Valves

Pumps

Mechanical seals

Compressors reactors

### Product Range

O rings

Backup seals

U cup seal

X ring

Lip seal

Wiper seal

Packing elements

