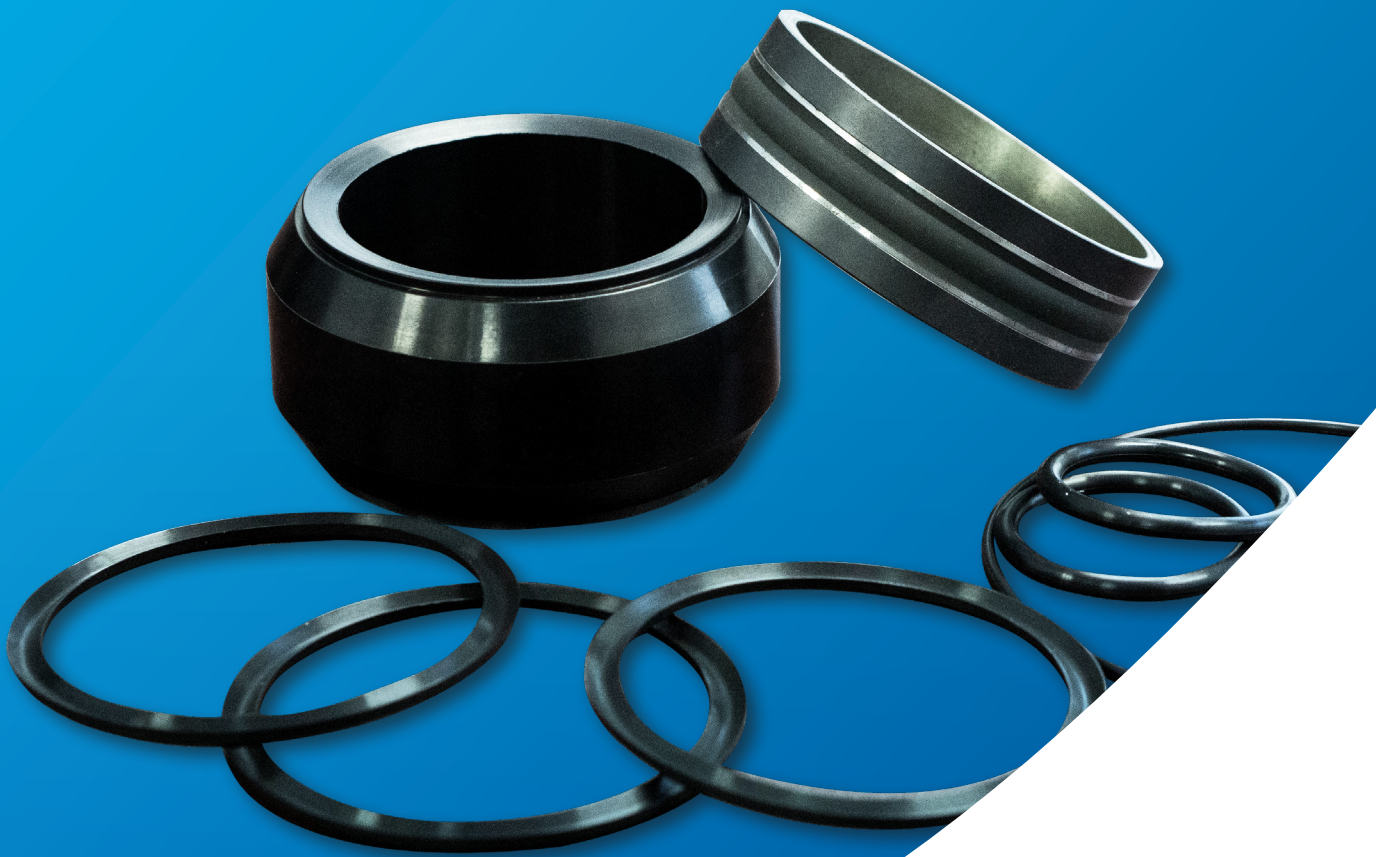




FFKM 0130OGT HPHT ADVANCED ELASTOMER

FREUDENBERG
FLOW TECHNOLOGIES

 **FREUDENBERG**
INNOVATING TOGETHER

FFKM 0130OGT HPHT ADVANCED ELASTOMER

Designed to offer excellent chemical resistance to acids, caustics, sour gases, and hydrocarbons with a broad temperature range, FFKM 0130OGT provides excellent compression set and mechanical properties at extreme temperatures.

FFKM 0130OGT has excellent chemical resistance in a wide range of harsh chemicals. Its resistance against rapid gas decompression (RGD) makes FFKM 0130OGT a perfect match for high pressure and temperature applications.



VALUE FOR THE CUSTOMER

- Wide operating temperature range from -6°C (21°F) to 250°C (482°F)
- Excellent chemical resistance in many harsh chemical environments (e.g., caustics, strong acids, sour gases)
- Excellent Extrusion resistance
- Excellent RGD (Rapid Gas Decompression) resistance
- Certified per API6A to FF/HH classification

APPLICATIONS

- Packer elements
- Seal stacks
- V-rings
- S-seals
- O-rings
- Custom profiles

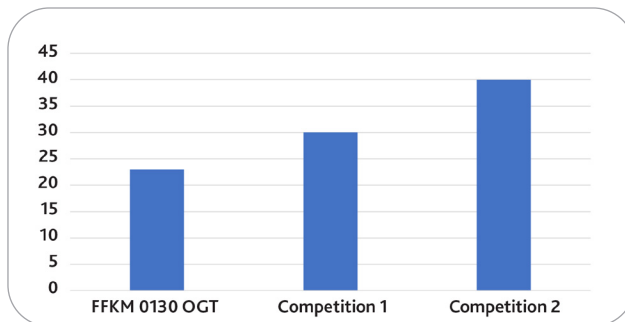
MARKET APPLICATION

- Downhole Tools (Static & Dynamic)
- HPHT/SAGD applications
- Wellhead components seals

RGD Resistance: Test Results

Temperature Rating	$^{\circ}\text{F}$	21°F to 482°F
	$^{\circ}\text{C}$	-6°C to 250°C
Norsok M-710 rev 3		Score 0: No Internal cracks Score 0: No Holes Score 0: No Blisters

Compression Set 70 Hour at 400°F (Lower is Better)



PHYSICAL PROPERTIES

	FFKM 130
Hardness (Shore) ASTM D 2240, Shore A	90
Tensile Strength (psi)	3439
Tensile Strength (MPa)	23.7
Temperature Range in ° C	–6° C to 250° C
Temperature Range in ° F	21° F to 482° F
Compression Set (%) 70h at 204.5° C (400° F) per ISO 815-B / ASTM D 395	23
Elongation (%)	91
Color	Black

Chemical Environment	FFKM 130
Hot Water/Steam	Good
Sour Gas	Excellent
Acids & Alkalis	Excellent
Hydrocarbons	Excellent
Caustics	Excellent
Furans, Aldehyde, Alcohols	Excellent
Ketones, Esters, Ether	Excellent
Nitrogenous Substance	Excellent
Rapid Gas Decompression (RGD Resistance)	Excellent
API 6A material certification	FF/HH
Norsok M-710 Certified	Yes

Listed values are nominal values based on testing performed by FFL in accordance with industry testing standards and are subject to change. Freudenberg assumes no liability for the suitability of the material selection determined with regard to the specific application intended by the customer.

