

FSPTFE31

API 6A SOUR GAS IMMERSION CERTIFIED
ANNEX F 1.13.5.2



Wyatt Seal, Inc. is proud to exclusively offer our "FSPTFE31" material, which has passed API 6A sour gas immersion testing. Engineered for extreme temperatures, harsh chemicals, and high-pressure applications, it is the ideal solution for oil production, gas processing, and downhole drilling systems. Suitable for both onshore and offshore drilling, this material ensures reliable performance in the toughest conditions.

MECHANICAL PROPERTIES

Tensile Strength	3,100psi / 21.4mpa	D4745
Tensile Elongation	200 %	D4745
Compressive Strength (10%)	3,000psi / 20.7mpa	D695
Hardness, Shore D	58	D2240

PHYSICAL PROPERTIES

Wear Factor	$10 \times 10^{-10} \text{ in}^3 \cdot \text{min} / \text{ft} \cdot \text{lb} \cdot \text{hr}$
Dynamic Surface	
Abrasion (Relative)	Moderate
Color	Dark Grey
Working Temp. Range	-328 to 575 °F / -200 to 302 °C

**Material properties may vary from the above values due to part design and specific conditions of each application.*

APPLICATIONS

- Swivel seals in hydraulic rotary unions
- Hydraulic cylinder piston seals
- Wear rings
- Skived tape for large applications
- High pressure valve seals

RAPID
PROTOTYPING

SAMPLING
AVAILABLE

API 6A
CERTIFIED



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