

## Material Data Sheet

# UTECRUBBER-F

### General Information

UTECRUBBER-F is an elastomer based on fluororubber and commonly known as FPM, VITON. It has outstanding properties in resistance to high temperature, weathering, ozone and many chemicals. UTECRUBBER-F has good chemical resistance to mineral oils and greases containing sulphur, HFD fluids, crude oil and sour gas.

### Physical properties

Colour:			brown
Hardness at 20°:	DIN 53505	Shore A	85 +/-2
Density:	DIN 53479	g/cm <sup>3</sup>	2.51
100% Modulus:	DIN 53504	N/mm <sup>2</sup>	> 7
300% Modulus:	DIN 53504	N/mm <sup>2</sup>	
Tensile strength:	DIN 53504	N/mm <sup>2</sup>	> 13
Elongation at break:	DIN 53504	%	> 200
Rebound resilience:	DIN 53512	%	> 7
Tear strength:	DIN 53515	N/mm <sup>2</sup>	> 21
Abrasion:	DIN 53516	mm <sup>3</sup>	< 150
Compression set:**	DIN 53517	%	< 20
Min. service temperature:		°C	-20
Max. service temperature:		°C	210

\* Compression set: 175°C, 22 hours.

### Remark

All test methods and values mentioned above are corresponding to ASTM or DIN standards and have been tested on standardized plates in the laboratory. All tests are made under laboratory conditions.

**UTEC (Suzhou) Sealing Solutions Co. Ltd. 优泰科(苏州)密封技术有限公司**

No. 28 Dong Hong Rd., SIP, 215123 Suzhou, P.R. China 地址: 中国苏州工业园区东宏路 28 号 邮编: 215123  
Tel./电话. +86 (512) 62795018 Fax/传真 +86 (512) 62797880 E-mail: [office@utec.cc](mailto:office@utec.cc) [www.utec.cc](http://www.utec.cc)