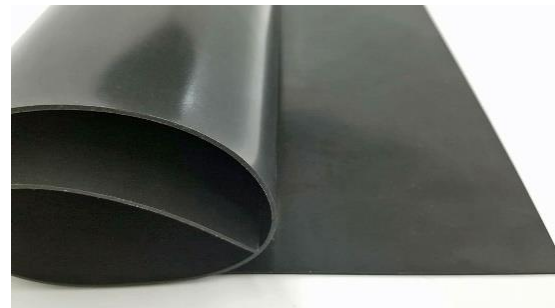


Flon-Chem[®]- 1006

FKM (Fluorinate Rubber)

Material based on FKM classified as **medical grade** according to the standard **USP Class VI** (Unites States Pharmacopeia) and FDA (177.2600-21 paragraph "e").



TYPICAL PROPERTIES:

FLON-CHEM-1006: Offers an high resistance to high temperatures, oils, fuels and ozone. Have an excellent flame resistance and is possible to be used at elevated temperatures with chemicals.

FLON-CHEM-1006 offers excellent resistance to continuous service temperatures working conditions up to 200°C in air, 150°C in oil and 100°C in water.

FLON-CHEM-1006 as a Fluorinated elastomer is the absolute reference for rubber seals in terms of chemical resistance in extreme conditions.

FLON-CHEM 1006 is not only characterized by an excellent resistance to aging and ozone but also by a minimal gas permeability that makes him ideal for vacuum applications.

COMPLIANCE/APPROVALS:

USP Class VI: Unites States Pharmacopeia according to USP<87> and USP<88> @121°

USA Directives: FDA, Food and Drug Administration, department of Health and Human Services, Code of Federal Regulations 177.2600-21 paragraph "e"

PROPERTIES	TEST METHOD	UNITS	VALUE
Color			Black
Hardness	ASTM D2240	Shore A	75
Specific Gravity	ASTM D792	g/cm ³	1,90
Tensile Strength	ASTM D412	MPa	> 7
Elongation at Break	ASTM D412	%	> 270
Tear Strength	ASTM D624	N/mm	> 20
Abrasion Resistance	DIN 53516	mm ³	

MIN. AND MAX. WORKING TEMPERATURES	UNITS	VALUE
IN AIR	C°	+200 -10
IN OIL	C°	+150
IN WATER	C°	+100

Note: These are typical properties and not used for specification purpose

PRODUCT PROPERTIES:

- Very good mechanical properties
- Exceptional temperature resistance
- Excellent chemical resistance.
- Suitable for food and Pharmaceutical application
- Good resistance to acids and alkalis

All information in this document is based on years of experience in manufacture and use of the discussed products. Since sealing performance in the joint is subject to multiple factors such as mounting method, system parameters, and sealed medium, technical parameters specified herein are of informative nature only and cannot be used as grounds for any claims any special uses of products are subject to consulting with the manufacturer.