



date: 01.03.2018

data sheet product **TUBE FKM 70GF**

Parameter	Value	Unit	Norm
Elastomer base	Terpolymer-FKM, peroxid		
Geometry	Tube, Profile, Sheet		
Density	2,17 +/-0,05	g/cm ³	DIN ISO 1183
Hardness	70 +/-5	Shore A	DIN ISO 7619
Tensile strength	> 19,5	MPa	DIN 53504
Elongation at break	> 250	%	DIN 53504
Compression set	16 at 175 °C; 24 h	%	DIN ISO 815 B
Abrasion	150	mm ³	DIN 53516
Rebound	5	%	DIN 53512
Tear propagation resistance	4,5	N/mm	DIN ISO 34-1 A
Temperature	-8 to +260	°C	
Color	black		

compliant: FDA 21CFR § 177.2600, EC Directive 2002/95 / EC and 2011/65 / EC RoHS, UL94 V0

PFOS free

Excellent resistance also bie high temperatures to weathering, ozone, UV and light.

Chemical resistance

Excellent resistance to aliphatic and aromatic hydrocarbons, diesel, biodiesel, fuel oil, mineral oils, ASTM oils no. 1,2 and 3, methanol, ethanol and alcohols, glycols, FAME and ETBE-ester, benzene, phenol, toluene, Suds, washings, detergents, ionic and nonionic surfactants, perchlorethylene, sodium hypochlorite (Javel water), chlorine gas, strong Acids. Salt and dilute hydroxide solutions. Very good resistance to water and hot steam up to 140 ° C.

Not for use with ketones, aldehydes, esters and ethers, because of severe swelling.

Very good gas impermeability.

The values of these specifications come from regular controls of the compounds with the aid of norm samples and perform an average. They correspond to the actual state of the knowledge, the latest development of the sciences and our experience. They do not specify sure properties for the finals products. The indications in this data sheet are only a description of the typical properties and represent an aid and information for the user to give him some suggestions for his own application. But it remains in his responsibility to make sure with a specific trial that our product suits for his own purpose.

We strive to continuously improve our products. We reserve the right to modify and adjust the data sheet and our blends referring to the material properties. These will be documented with a new change status (date).