

RUBBER FORMULA FKA6800



Technical Data Sheet

Highlights

Grey nitrile rubber formulation
 Low extractables
 Very low odor
 No plasticizers
 Nitrosamines and nitrosables free
 Suitable for pharma application (E.P.)

Physical Properties

Density	1,36 Mg/m ³	ISO 2781
Hardness	67 Shore A 2"	ISO 868
Hardness	66 Shore A 10"	ISO 868
Hardness	72 Shore M	ASTM D2240
Elastic modulus 100%	5.5 MPa	ISO 37
Rupture strength	12 MPa	ISO 37
Elongation at rupture	280 %	ISO 37
Compression set 25%/22h/70°C	7 %	ISO 815
Tension set 50%/100h/50°C	4 %	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	3	4	-2	-3
Toluene	44	44	-16	-18
Water	0	1	-1	-1
Water/Ethanol 1:1	2	2	-1	-2
Ethanol	6	6	-4	-4
Isopropanol	5	5	-4	-4
Dimethyl ether (DME)	29	29	-14	-15
Ethyl acetate	39	39	-11	-11
Acetone	43	44	-18	-18
Methylene chloride	73	72	-30	-32
Perchloro ethylene	18	18	-8	-8
Petroleum Ether	2	5		
R-134 A	5	7		
Propane / Butane (15/85)	4	5		

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Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	0.5	<1
Ethanol	0.9	<1
Methylene chloride	2.3	<1

Regulatory Compliance

European pharmacopoeia 5.4, Chapter 3.2.9 (Type II)

Phthalates free

Nitrosamines and nitrosables free

Heavy metals (Directive 94/62 CEE and CONEG)

PAH free

Substance halogenated free

Latex free

Cosmetic directive 76/768/CEE

BSE (Emea/410/01 rev.2)

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