

RUBBER FORMULA KA6501



Technical Data Sheet

Highlights

Light grey FDA-milk and edible oils nitrile rubber formulation
Nitrosamines and nitrosables free
Low odor

Physical Properties

Density	1,36 Mg/m ³	ISO 2781
Hardness	63 Shore A 2"	ISO 868
Hardness	62 Shore A 10"	ISO 868
Hardness	70 Shore M	ASTM D2240
Elastic modulus 100%	2.6 MPa	ISO 37
Rupture strength	15.0 MPa	ISO 37
Elongation at rupture	500 %	ISO 37
Compression set 25%/22h/70°C	9%	ISO 815
Tension set 50%/100h/50°C	7 %	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	4	4	-9	-9
Toluene	41	41	-31	-31
Water	1	7	-5	-9
Water/Ethanol 1:1	3	7	-10	-14
Ethanol	5	5	-9	-7
Isopropanol	4	4	-5	-5
Dimethyl ether (DME)	28	29	-28	-31
Ethyl acetate	37	37	-27	-27
Acetone	42	42	-28	-28
Methylene chloride	70	71	Rupture	Rupture
Perchloro ethylene	17	16	-20	-20
Petroleum Ether	4	4		
R-134 A	4	4		
Propane / Butane (15/85)	3	4		

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Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	2.2	<1
Ethanol	2.4	<1
Methylene chloride	3.9	<1

Regulatory Compliance

FDA Title 21, paragraph 177.2600 – milk and edible oils
Phthalates free
Heavy metals (Directive 94/62 CEE and CONEG)
PAH free
Nitrosamines and nitrosables free (Directive 93/11 CEE and EN 12868)
Substance halogenated free
Latex free
BSE (Emea/410/01 rev.2)

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