

RUBBER FORMULA KA6401



Technical Data Sheet

Highlights

Light grey FDA –milk and edible oils nitrile rubber formulation
 Low extractables
 Very low odor
 Nitrosamines and nitrosables free
 Suitable for food contact application (European and Italian regulation)

Physical Properties

Density	1,45 Mg/m ³	ISO 2781
Hardness	65 Shore A 2"	ISO 868
Hardness	63 Shore A 10"	ISO 868
Hardness	72 Shore M	ASTM D2240
Elastic modulus 100%	2.9 MPa	ISO 37
Rupture strength	11.7 MPa	ISO 37
Elongation at rupture	680 %	ISO 37
Compression set 25%/22h/70°C	21 %	ISO 815
Tension set 50%/100h/50°C	n.d %	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	5	5	-6	-6
Toluene	46	46	-25	-25
Water	0	1	-1	-2
Water/Ethanol 1:1	3	4	-6	-7
Ethanol	6	6	-9	-9
Isopropanol	6	5	-7	-6
Dimethyl ether (DME)	26	29	N/A	N/A
Ethyl acetate	43	43	-23	-24
Acetone	49	49	-24	-25

The information contained herein is to our knowledge accurate and reliable as of the date of publication. It is the customer's responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose. The customer is also responsible for the appropriate, safe and legal use, processing and handling of our products. Tekni-Plex Europe NV shall not be under a duty to notify you of any changes to the regulations.

Insofar as products supplied by Tekni-Plex Europe NV or its subsidiary companies are used in conjunction with third party materials, it is the responsibility of the customer to obtain all necessary information relating to the third party materials and ensure that Tekni-Plex Europe NV's products when used together with these materials are suitable for the customer's particular purpose. No liability can be accepted in respect of the use of Tekni-Plex Europe NV's products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

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Methylene chloride	83	85	-47	-55
Perchloro ethylene	17	17	-20	-20
Petroleum Ether	4	4	-6	-6
R-134 A	4	4	N/A	N/A
Propane / Butane (15/85)	4	4	N/A	N/A

Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	0.5	<1
Ethanol	0.7	<1
Methylene chloride	2.4	1

Regulatory Compliance

European draft "Rubber products intended to come in contact with foodstuff" version 1 – 10.06.04 (Food Simulators A/B/C/D category II)
Italy food contact D.M. 21/03/73 : Food Simulators A/C/D
FDA Title 21, paragraph 177.2600 – milk and edible oils
Phthalates free
Nitrosamines and nitrosables free
Heavy metals (Directive 94/62 CEE and CONEG)
PAH free
Substance halogenated free
Latex free
BSE (Emea/410/01 rev.2)

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