

RUBBER FORMULA KA5701



Technical Data Sheet

Highlights

Light grey FDA-milk and edible oils nitrile rubber formulation
Low hardness

Physical Properties

Density	1,27 Mg/m ³	ISO 2781
Hardness	54 Shore A 2"	ISO 868
Hardness	53 Shore A 10"	ISO 868
Hardness	61 Shore M	ASTM D2240
Elastic modulus 100%	1.9 MPa	ISO 37
Rupture strength	12.2 MPa	ISO 37
Elongation at rupture	475 %	ISO 37
Compression set 25%/22h/70°C	6%	ISO 815
Tension set 50%/100h/50°C	6%	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	5	3	-7	-7
Toluene	42	41	-24	-25
Water	1	5	-4	-6
Water/Ethanol 1:1	3	6	-7	-10
Ethanol	5	4	-8	-6
Isopropanol	4	2	-4	-3
Dimethyl ether (DME)	24	24	-19	-19
Ethyl acetate	37	37	-22	-22
Acetone	42	41	-23	-22
Methylene chloride	73	74	-57	-57
Perchloro ethylene	15	15	-15	-15
Petroleum Ether	6	2		
R-134 A	4	4		
Propane / Butane (15/85)	4	2		

Action Technology Belgium
Industrielaan 37
B-9320 Erembodegem
Belgium
Tel: +32 53 650711
Fax: +32 53 672074
E-mail: sales@tekni-plex.be

Action Technology Italia SpA
Via Alessandro Volta 76
I-20083 Bonirola Di Gaggiano (MI)
Italia
Tel: +39 02 9082931
Fax: +39 02 90829333
E-mail: info@actiontechnology.it
Website : www.tekni-plex.eu

American Gasket & Rubber Co.
119 East Commerce Drive
Schaumburg, Illinois 60173
USA
Tel: +1 847 882 8333
Fax: +1 847 882 9333
E-mail: martin.harrison@tekni-plex.com

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Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	4.6	<1
Ethanol	3.9	<1
Methylene chloride	7.3	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

Substance halogenated free

Latex free

BSE (Emea/410/01 rev.2)

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Action Technology Belgium

Industrielaan 37
B-9320 Erembodegem
Belgium
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Fax: +32 53 672074
E-mail: sales@tekni-plex.be

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Italia
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119 East Commerce Drive
Schaumburg, Illinois 60173
USA
Tel: +1 847 882 8333
Fax: +1 847 882 9333
E-mail: martin.harrison@tekni-plex.com