

RUBBER FORMULA KA7001



Technical Data Sheet

Highlights

Black FDA-milk and edible oils nitrile rubber formulation
Very low odor

Physical Properties

Density	1,29 Mg/m ³	ISO 2781
Hardness	71 Shore A 2"	ISO 868
Hardness	69 Shore A 10"	ISO 868
Hardness	73 Shore M	ASTM D2240
Elastic modulus 100%	4.0 MPa	ISO 37
Rupture strength	10.0 MPa	ISO 37
Elongation at rupture	360 %	ISO 37
Compression set 25%/22h/70°C	5 %	ISO 815
Tension set 50%/100h/50°C	5 %	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	4	3	-12	-9
Toluene	37	37	-34	-34
Water	1	2	-4	-10
Water/Ethanol 1:1	2	3	-10	-8
Ethanol	5	4	-14	-12
Isopropanol	4	4	-10	-8
Dimethyl ether (DME)	24	24	-29	-26
Ethyl acetate	34	33	-30	-32
Acetone	38	38	-29	-32
Methylene chloride	64	64	-48	-69
Perchloro ethylene	17	17	-20	-22
Petroleum Ether	4	4		
R-134 A	4	5		
Propane / Butane (15/85)	4	4		

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 Bonirolo 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	2.2	<1
Ethanol	2.4	<1
Methylene chloride	3.7	<1

Regulatory Compliance

FDA Title 21, paragraph 177.2600 – milk and edible oils

Phthalates free

Heavy metals (Directive 94/62 CEE and CONEG)

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

Action Technology Italia SpA

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I-20083 Bonirola Di Gaggiano (MI)
Italia
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Schaumburg, Illinois 60173
USA
Tel: +1 847 882 8333
Fax: +1 847 882 9333
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