

## RUBBER FORMULA KA8003



### Technical Data Sheet

#### Highlights

General purpose black nitrile rubber formulation  
High duro

#### Physical Properties

Density	1,37 Mg/m <sup>3</sup>	ISO 2781
Hardness	76 Shore A 2"	ISO 868
Hardness	75 Shore A 10"	ISO 868
Hardness	80 Shore M	ASTM D2240
Elastic modulus 100%	9.7 MPa	ISO 37
Rupture strength	15.5 MPa	ISO 37
Elongation at rupture	190 %	ISO 37
Compression set 25%/22h/70°C	5 %	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		
Toluene	31	32		
Water	2	3		
Water/Ethanol 1:1	3	5		
Ethanol	3	3		
Isopropanol	4	4		
Dimethyl ether (DME)	20	19		
Ethyl acetate	28	30		
Acetone	30	30		
Methylene chloride	49	50		
Perchloro ethylene	12	12		
Petroleum Ether	3	3		
R-134 A	5	5		
Propane / Butane (15/85)	5	3		

**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](http://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

# RUBBER FORMULA

## KA8003

### Technical Data Sheet

#### Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	2.4	<1
Ethanol	3.9	<1
Methylene chloride	7.4	1

#### Regulatory Compliance

Phthalates free  
Heavy metals ( Directive 94/62 CEE and CONEG)  
Substance halogenated free  
Latex free  
BSE ( Emea/410/01 rev.2)

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.

#### 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