

### RUBBER FORMULA B716



#### Technical Data Sheet

#### Highlights

General purpose black nitrile rubber formulation

#### Physical Properties

Density	Mg/m <sup>3</sup>	1.36	ISO 2781
Hardness	Shore A 2"	68	ISO 868
Hardness	Shore A 10"	66	ISO 868
Hardness	Shore M	76	ASTM D2240
Elastic modulus 100%	MPa	6.3	ISO 37
Rupture strength	MPa	14.0	ISO 37
Elongation at rupture	%	240	ISO 37
Compression set 25%/22h/70°C	%	6	ISO 815
Tension set 50%/100h/50°C	%	3	

#### Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	0	-3	0	7
Toluene	17	17	-19	-19
Water	2	4	-2	-3
Water/Ethanol 1:1	2	1	-6	-2
Ethanol	2	1	0	5
Isopropanol	0	-3	-2	6
Dimethyl ether (DME)	11	12	-16	-16
Ethyl acetate	20	20	-20	-20
Acetone	28	28	-20	-20
Methylene chloride	48	48	-17	-17
Perchloro ethylene	7	6	-8	-5

#### Weight Loss and Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	4.8	<1
Ethanol	9.3	<3
Methylene chloride	13.9	<8

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.

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**Action Technology Belgium**  
 Industrielaan 37  
 B-9320 Erembodegem  
 Belgium  
 Tel: +32 53 650711  
 Fax: +32 53 672074  
 E-mail: [sales@tekni-plex.be](mailto: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](mailto:info@actiontechnology.it)  
 Website : [www.tekni-plex.be](http://www.tekni-plex.be)

**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](mailto:martin.harrison@tekni-plex.com)