

RUBBER FORMULA U133



Technical Data Sheet

Highlights

Black FDA butyle rubber formulation
 Low permeability
 No plasticizers
 Nitrosamines and nitrosables free
 Excellent for DME formulation
 High modulus

Physical Properties

Density	1,22 Mg/m ³	ISO 2781
Hardness	73 Shore A 2"	ISO 868
Hardness	72 Shore A 10"	ISO 868
Hardness	78 Shore M	ASTM D2240
Elastic modulus 100%	5.7 MPa	ISO 37
Rupture strength	9.5 MPa	ISO 37
Elongation at rupture	360 %	ISO 37
Compression set 25%/22h/70°C	14 %	ISO 815
Tension set 50%/100h/50°C	8 %	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	32	32	-19	-19
Toluene	32	33	-22	-23
Water	0	0	0	0
Water/Ethanol 1:1	0	0	1	0
Ethanol	0	0	0	0
Isopropanol	0	0	-1	-1
Dimethyl ether (DME)	11	11	-14	-17
Ethyl acetate	4	3	-9	-9
Acetone	2	1	-2	-2
Methylene chloride	19	19	-19	-19
Perchloro ethylene	45	45	-25	-25
Petroleum Ether	37	37		
R-134 A	1	2		
Propane / Butane (15/85)	20	21		

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

RUBBER FORMULA

U133

Technical Data Sheet

Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	1.1	<1
Ethanol	0.2	<1
Methylene chloride	2.0	1

Regulatory Compliance

FDA Title 21, paragraph 177.2600

Phthalates free

Heavy metals (Directive 94/62 CEE and CONEG)

Substance halogenated free

Nitrosamines and nitrosables free (Directive 93/11 CEE and EN 12868)

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