



GÜVENAL

ELASTOMER

*Product
Catalogue*



**TIME IS THE
GREATEST GAIN**

Electricity Industry | Automotive Industry | Marble Industry | Other Industry

www.guvenallastik.com.tr

40 years

ABOUT

Güvenal Lastik was established in Istanbul in 1983 and is one of the biggest elastomer material representatives of the sector which continues its activities both in Turkey and abroad. It maintains its production with custom design and mass production industry materials in almost all fields especially electric-energy, automotive, marble and industrial sectors.

Güvenal Lastik has given reliability to its customers with its strict working principles and quality-oriented business approach and it continues to work on this track. By following the development and change of the sector with respect to its needs, it includes standard and custom manufactured products in its portfolio considering the demands of its customers.

Güvenal Lastik, which performs its production from mold process to final product with its qualified technical personnel, has crowned its quality with "ISO 9001: 2008 Quality System Certificate". Manufactured products are presented to the sector with this quality concept under the registered trademarks of Güvenal Lastik Sanayi and Güvenal Elastomer.

Currently, it offers industrial and custom solutions to all of its customers in a partnership understanding with its more than 30 qualified personnel in its factory which covers a total area of 4,000 m² in Istanbul. With the continuous developing technical know-how, there has been a rapid increase in the export items as well as domestic sales and 30% of the current sales are made up of exports. Domestic sales are carried out through the dealer network in different regions of our country, especially in Istanbul.

Güvenal Lastik offers great solutions that will ease the business of its customers and reduce costs with the idea of "the reliance you receive is the greatest profit". Nowadays, Güvenal Lastik has a wide customer portfolio in all sectors and is glad to serve its customers with the high-quality standard throughout the domestic and abroad.

Main Sectors and Product Range

Electrical sector: It includes custom production as well as the standard production such as cover wick, o-ring, square ring, transformers gaskets, flange gaskets, grommet gaskets, bushing gaskets, klingerite gaskets, cork gaskets, polyamide gaskets, oven door seals.

Automotive sector: It includes custom production as well as standard production such as frame gaskets, glass wicks.

Industry and construction sector: It includes custom production as well as standard production such as gaskets, wicks and rubber hoses.

Marble sector: It includes custom production as well as standard production such as block separation airbags, block fixing airbags, wire rubber, reels, plastic auxiliary group, couplings, vacuum and suction cup rubbers, sludge pumps, dosing diaphragm rubber, valve rubber, machine bellows, filler wiping rubbers, connecting wedges, pickup rubbers, track rubbers, typesetting rubbers, pressure rubbers, shaft protection bellows, custom made cloth and accordion bellows of all sizes.



Protection and Masking Elastomers

They are elastomers that protect the components on the machine against harmful substances that may come from outside.



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers ...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

In addition to standard production, we also provide custom orders.

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Vibration and Damping Elastomers

They provide protection against crash, impact and abrasion between systems by damping the vibration energy that causes the vibration, also provide long-lasting work.



Applications They have a wide range of applications in every system which is exposed to vibration such as transformers, machinery, ventilation ducts, construction equipment, construction machinery, conveyor and belt systems, marine equipment, industrial products, shock absorbers, stabilizers, motor compressors, pumps, platforms.

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O Rings

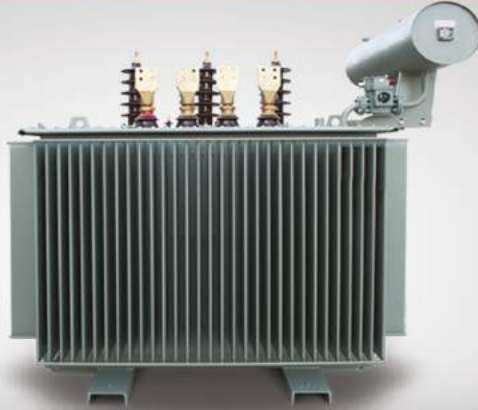
O-rings are elastomers that prevent leakage of all kinds of material between moving or stationary machine parts.



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

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Busing Gaskets

Gaskets are used to provide sealing and isolation between moving or stationary machine parts. They are elastomers that prevent any leakage of liquid or gas between the superimposed machine parts and prevent the leakage of any material that makes it easier to hold the parts together.



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers ...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

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Sealing and Flange Gaskets

Gaskets are used to provide sealing and isolation between moving or stationary machine parts. They are elastomers that prevent any leakage of liquid or gas between the superimposed machine parts and prevent the leakage of any material that makes it easier to hold the parts together.



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers ...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

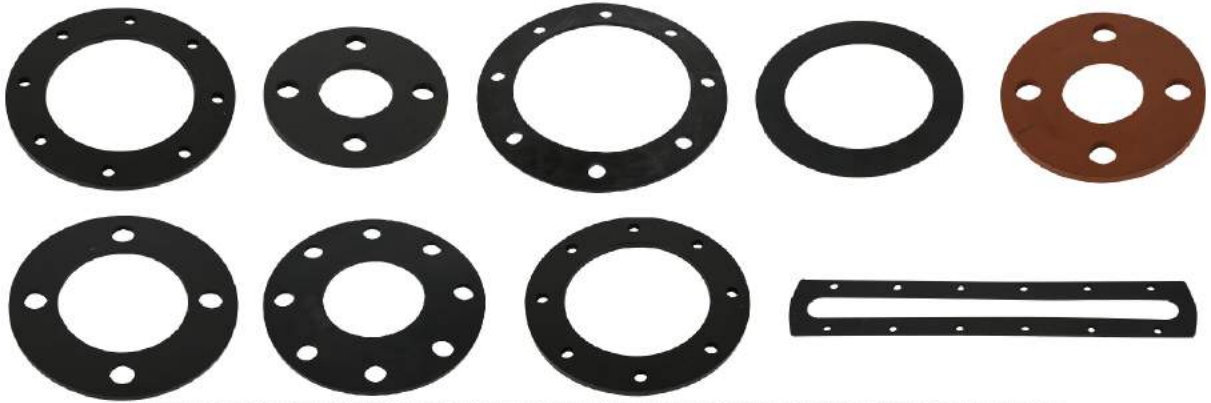
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Flange Gaskets

Gaskets are used to provide sealing and isolation between moving or stationary machine parts. They are elastomers that prevent any leakage of liquid or gas between the superimposed machine parts and prevent the leakage of any material that makes it easier to hold the parts together.



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers ...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

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Busbar Gaskets

Gaskets are used to provide sealing and isolation between moving or stationary machine parts. They are elastomers that prevent any leakage of liquid or gas between the superimposed machine parts and prevent the leakage of any material that makes it easier to hold the parts together.



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers ...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

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Profile Wicks



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers ...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

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Klingerite and Cork Gaskets

Gaskets are used to provide sealing and isolation between moving or stationary machine parts. They are elastomers that prevent any leakage of liquid or gas between the superimposed machine parts and prevent the leakage of any material that makes it easier to hold the parts together.



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers ...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

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Bellows Gaskets

Gaskets are used to provide sealing and isolation between moving or stationary machine parts. They are elastomers that prevent any leakage of liquid or gas between the superimposed machine parts and prevent the leakage of any material that makes it easier to hold the parts together.



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers ...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

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Stepped Union Gaskets

Record gaskets are elastomers that provide flexibility, adhesion, fixation and protection between cable and metal parts.



Applications They have a wide range of applications in every environment where sealing is required such as energy sector, electricity sector and industrial sectors.

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Cable Grommet



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers ...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

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Insulator Plates



Applications They have a wide range of applications in every environment where sealing is required such as energy sector (low voltage transformers, high voltage transformers ...), automotive, aircraft, ships, trains in other words transportation industry, petroleum and chemical industry, liquid and gas transport facilities, industrial products, heavy machinery, various hydraulic and pneumatic systems.

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Oven Door Gaskets

They are profile elastomers that are used in drying, vacuum and oil filling furnaces.



Applications They have a wide range of applications in every environment where sealing is required such as energy sector, electricity sector and industrial sectors.

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Technical Table

GENERAL PROPERTIES OF THE MOST USED ELASTOMERS

Rubber Code	NR	SBR	EPDM	CR	NBR	FKM	VMQ	HNBR	ACM	FVMQ	IIR
PHYSICAL PROPERTIES											
DENSITY (g/cm ³)	1,18	1,14	1,18	1,18	1,23	2,26	1,15				
HARDNESS(Shore A)	30-90	35-90	30-90	38-90	40-90	60-80	30-80	40-90	40-90	35-80	30-100
GAS PERMEABILITY	3	3	3	2	1	1	3	1	2	2	1
ELECTRIAL PROPERTIES	1	2	1	2	4	2	1		4		2
MECHANICAL PROPERTIES											
(kgf/cm ²)	150-300	80-180	70-200	70-200	70-200	70-125	70-100	70-400	130	14-105	180-250
COMPESSION SET	2	2	2	2	2	2	2	1	2	3	2
.....	1	2	2	2	2	2	4	1	4	3	2
TEAE STRENGTH & ABRASION RESISTANCE											
RESILIENCE	1	2	2	2	2	3	2	2		2	2
HEAT PROPERTIES											
SEVICE TEMPERATURE											
MAXIMUM (°C)	70	85	130	100	100	250	200	149	150	230	125
MINUMUM(°C)	-40	-50	-30	-40	-35	-25	-60	-50	-30	-29	-40
FLAME RESISTANCE	4	4	4	2	4	2	3	2	4	1	
HEAT RESISTANCE	3	2	1	2	2	1	1	1	1	2	1
RESISTANCE											
AGENING IN FUEL											
ASTM N ° 1, 20 ° C-100 ° C	4	4	4	3	1	1	1	1	2	1	4
ASTM N ° 3, 20 ° C-100 ° C	5	5	5	2	2	1	2	2	2	1	4
AGEING IN FUEL											
ASTM "B"to 40 ° C	5	5	5	4	3	1	5	3	2	1	4
.....											
VEGETABLE OILS	4	4	4	2	2	1	5	1	1	1	1
ANIMAL OILS	4	4	4	2	2	1	5	1	1	1	1
OXDATION	3	3	1	2	3	1	1	1	1	1	1
WEATHER AND OZONE	4	4	1	2	3	1	1	1	1	1	1
SOLVENTS 20 ° C											
ALCOHOL	2	2	2	2	2	2	2	4	4	1	2
ACETONE	3	3	2	1	4	2	4	4	4	4	1
BENZENE	5	5	5	5	5	2	5	4	4	2	4
WATER	2	2	1	2	2	2	2	1	4	1	1
CHEMICAL PRODUCTS											
ACIDS	3	3	2	2	2	1	3	2	4	2	2
BASES	2	2	2	3	3	2	3	2	4	2	2

1: EXCELLENT

2: GOOD

3: FAIR

4: POOR

5: UNSUITABLE

POLYMER APPLICATIONS

NR: For high elasticity applications

SBR: For superior abrasion resistance applications

EPDM: For superior heat, light and oxidation resistance applications

CR: For heat and air resistance applications

NBR: For normal oil resistance applications

FKM: For superior heat and fuel applications

VMQ: For heat resistance applications

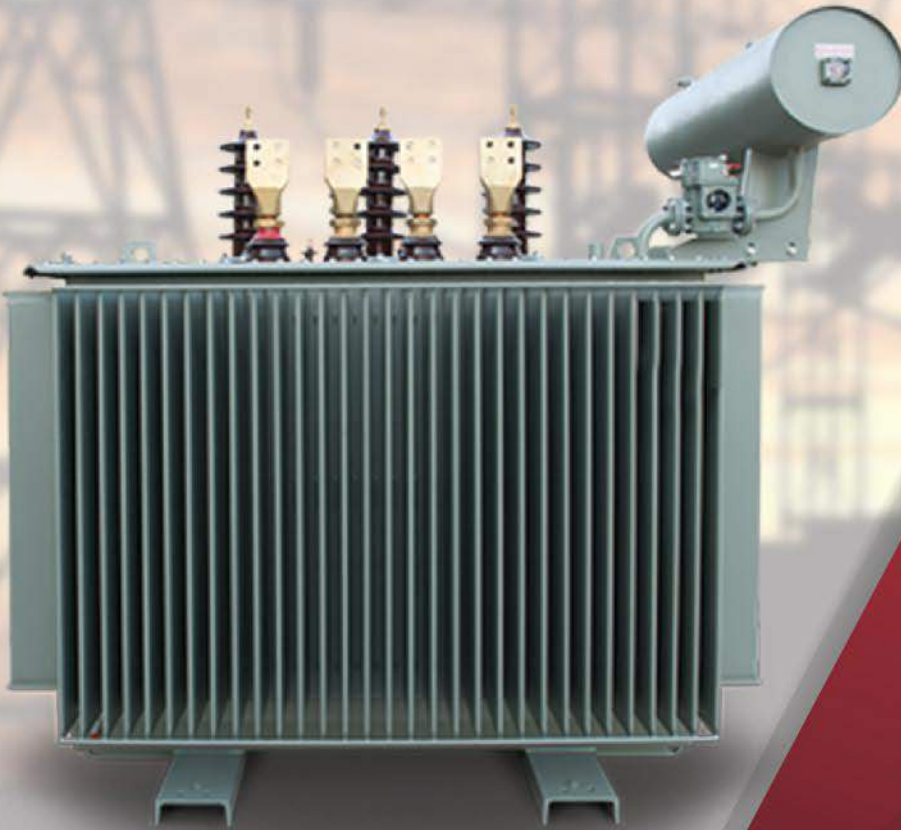
HNBR: Resistance under mechanical load and heat

ACM: It is characterized by excellent heat and hot oil resistance

FVMQ: Resistant to oil, fuel and solvents

IIR: Low permeability, high aging resistance and good electrical properties





sistem er
Sertifika
certificates of registration

KALİTE SİSTEM SERTİFİKASI

Bu sertifika aşağıdaki kuruluşta

GÜVENAL LASTİK SANAYİ VE TİCARET LTD. ŞTİ.

İktisli Organize Sanayi Bölgesi Çevre San. Sitesi 8 Blok No:7-9-11

Bağcılar/İSTANBUL/TÜRKİYE

Uygulamakta olan yönetin sürümünü

TS EN ISO 9001:2008

standartına uygunluğunu belgeledirmek amacı ile
aşağıda belirtilen kapsamda verilmiştir.

Plastik ve Kauçuk Yanı Sanayi Ürünleri İmalatı

EA Kod:14

Kapsam Dışı:7.3

Sertifika No: KYS-1720

Yayın Tarihi:08/08/2014

Bitiş Tarihi: 07/08/2016

Belge Periyodu: 3 yıl (2. yıl)



Dr. Mustafa Özgür 8.11.2014
Sertifika Yürürlüğüne Devlet Kurumları ve
Ticaret Bakanlığı tarafından onaylanmıştır.
Kapsam dışı: 7.3
Ticaret Bakanlığı, İstanbul, 08/08/2014
Ticaret Bakanlığı, İstanbul, 08/08/2014



CONFIDENCE | EXPERIENCE | QUALITY | INNOVATION | PRODUCT VARIETY



GÜVENAL
LASTİK SAN. VE TİC. LTD. ŞTİ.

İkitelli Organize Sanayi Bölgesi
Çevre Sanayi Sitesi 8.Blok No:7-9-11
İkitelli -Başakşehir / İSTANBUL
Tel : +90.02124857894
Faks: +90.02124857894
E-posta: info@guvenallastik.com