


DURASILE[®]

Sealing & Insulation Solutions



Non-Asbestos Gasket Sheets
Soft Addition Gasket Material
Rubberized Cork Products
Thermal Insulation Millboard
Gaskets

DURASILE[®] Asbestos Free Gasket Sheets

DURASILE[®] AF-GEN (Non-Metallic)

It is an asbestos free jointing gasket sheet which is a cost effective and reliable product manufactured from organic fibres, mineral fibres, cellulose fibres. Binders : NBR

General purpose grade suitable for low pressure steam, water, oils, fuels and inert gases for low stress conditions.

Max. Peak Temperature	: 250°C
Max. Operating Temperature	: 180°C
Max. Peak Pressure	: 50 bar
Max. Continuous Temp. with steam	: 120°C

Available thickness	: 0.50mm to 5.00mm
Available colors	: Green, Blue (others upon request)
Available sizes (in mm)	: 1500 X 1500, 1500 X 2000, 1500 X 2250, 1500 X 3000, 1500 X 4500, 2000 X 3000



DURASILE[®] AF-GEN-WR (Metallic)

It is an asbestos free jointing gasket sheet with wire-reinforced. It is manufactured from organic fibres, mineral fibres with metal wire reinforced. Binders : NBR

Water/oil resistant gasket material used for light loading. This metallic grade is suitable for medium pressure steam, water, oils, fuels and inert gases for low stress conditions.

Max. Peak Temperature	: 250°C
Max. Operating Temperature	: 200°C
Max. Peak Pressure	: 70 bar
Max. Continuous Temp. with steam	: 120°C

Available thickness	: 0.80mm to 5.00mm
Available colors	: Grey/Graphite
Available sizes (in mm)	: 1500 X 1500, 1500 X 2000, 1500 X 2250, 1500 X 3000, 1500 X 4500, 2000 X 3000



DURASILE[®] AF-OIL-LT (Non-Metallic)

It is an oil grade asbestos free jointing gasket sheet manufactured from aramid fibres, mineral fibres. Binders : NBR

Suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most- diluted acids and alkalis for medium stress conditions.

Max. Peak Temperature	: 300°C
Max. Operating Temperature	: 220°C
Max. Peak Pressure	: 80 bar

Available thickness	: 0.50mm to 5.00mm
Available colors	: Green, Blue (others upon request)
Available sizes (in mm)	: 1500 X 1500, 1500 X 2000, 1500 X 2250, 1500 X 3000, 1500 X 4500, 2000 X 3000



DURASILE[®] Asbestos Free Gasket Sheets

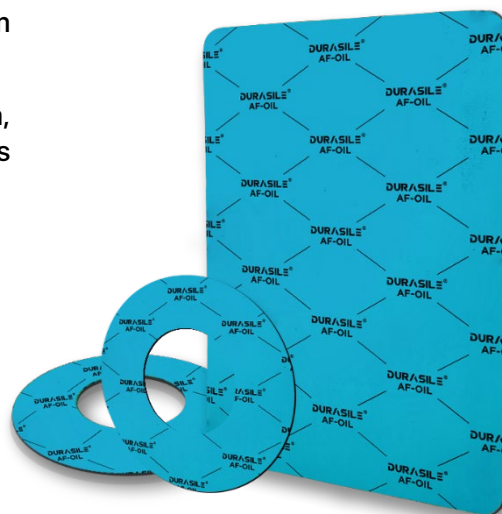
DURASILE[®] AF-OIL (Non-Metallic)

It is an oil grade asbestos free jointing gasket sheet manufactured from aramid fibres, mineral fibres. Binders : NBR

It is suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most-diluted acids and alkalis for medium stress conditions.

Max. Peak Temperature	: 400°C
Max. Operating Temperature	: 250°C
Max. Peak Pressure	: 100 bar
Max. Continuous Temp. with steam	: 220°C

Available thickness	: 0.50mm to 5.00mm
Available colors	: Blue, Green (others upon request)
Available sizes (in mm)	: 1500 X 1500, 1500 X 2000, 1500 X 2250, 1500 X 3000, 1500 X 4500, 2000 X 3000



DURASILE[®] AF-OIL-WR (Metallic)

It is an oil grade asbestos free jointing gasket sheet with wire-reinforced. It is manufactured from aramid fibres, mineral fibres. Binders : NBR

A premium metallic grade suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most-diluted acids and alkalis for medium stress conditions.

Max. Peak Temperature	: 450°C
Max. Operating Temperature	: 250°C
Max. Peak Pressure	: 120 bar
Max. Continuous Temp. with steam	: 220°C

Available thickness	: 0.80mm to 5.00mm
Available colors	: Grey/Graphite
Available sizes (in mm)	: 1500 X 1500, 1500 X 2000, 1500 X 2250, 1500 X 3000, 1500 X 4500, 2000 X 3000



DURASILE[®] AF-ACID (Non-Metallic)

It is an acid grade asbestos free jointing gasket sheet manufactured from aramid fibres, mineral fibres. Binders : CSM Elastomers

Gasket material suitable for various highly aggressive media and very good chemical resistance to acid and alkaline media. Suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most-diluted acids and alkalis for medium stress conditions.

Max. Peak Temperature	: 400°C
Max. Operating Temperature	: 270°C
Max. Peak Pressure	: 150 bar
Max. Continuous Temp. with steam	: 240°C

Available thickness	: 0.50mm to 5.00mm
Available colors	: White (others upon request)
Available sizes (in mm)	: 1500 X 1500, 1500 X 2000, 1500 X 2250, 1500 X 3000, 1500 X 4500, 2000 X 3000



DURASILE® Asbestos Free Gasket Sheets

DURASILE® AF-HT (Non-Metallic)

It is a premium grade asbestos free jointing gasket sheet manufactured from aramid fibres, mineral fibres. Binders : NBR

It is a high performance, oil resistant gasket material with excellent thermal, chemical & mechanical properties. It is suitable for compressors, apparatus, transmission, gas meters, and internal combustion engines, pipelines & pumps etc.

Max. Peak Temperature	: 400°C
Max. Operating Temperature	: 270°C
Max. Peak Pressure	: 150 bar
Max. Continuous Temp. with steam	: 240°C

Available thickness	: 0.50mm to 5.00mm
Available colors	: Dark Green (others upon request)
Available sizes (in mm)	: 1500 X 1500, 1500 X 2000, 1500 X 2250, 1500 X 3000, 1500 X 4500, 2000 X 3000



DURASILE® AF-HT-WR (Metallic)

It is a premium grade asbestos free jointing gasket sheet with wire-reinforced manufactured from aramid fibres, mineral fibres. Binders : NBR

It is a high performance, oil resistant gasket material with excellent thermal, chemical & mechanical properties used in compressors, pipelines, apparatus, transmission, gas meters, internal combustion engines, pipe unions and pumps etc.

Max. Peak Temperature	: 500°C
Max. Operating Temperature	: 270°C
Max. Peak Pressure	: 150 bar
Max. Continuous Temp. with steam	: 240°C

Available thickness	: 0.80mm to 5.00mm
Available colors	: Grey/Graphite
Available sizes (in mm)	: 1500 X 1500, 1500 X 2000, 1500 X 2250, 1500 X 3000, 1500 X 4500, 2000 X 3000



DURASILE® AF-GF (Non-Metallic)

This asbestos free jointing gasket sheet grade is manufactured from a combination of aramid fibres and glass fibres which are bonded with nitrile rubber (NBR).

It is suitable for excellent resistance to steam and hot water. A premium product with greater security through good stress relaxation. It can be used for sealing oils, fuels, gases, freons, pipelines, radiators, boilers and many other instances of flange joints.

Max. Peak Temperature	: 450°C
Max. Operating Temperature	: 350°C
Max. Peak Pressure	: 150 bar
Max. Continuous Temp. with steam	: 250°C

Available thickness	: 0.50mm to 5.00mm
Available colors	: Beige, Green, Blue (others upon request)
Available sizes (in mm)	: 1500 X 1500, 1500 X 2000, 1500 X 2250, 1500 X 3000, 1500 X 4500, 2000 X 3000



DURASILE® Asbestos Free Beater Addition Gasket Material

DURASILE® SG-8290

It is a flexible material with high recovery property and can be used for soft gasket applications like oil/fuel/water pumps, carburetors, gearboxes, oil pans etc.

Max Operating temperature	: 180°C
Density(g/cm ²)	: 1.30 ± 0.05
Compressibility at 350 Kg/cm ²	: 15% - 30%
Recovery (min.)	: 35%
Tensile Strength (Kg/cm ²)	: 110 (min.)

Available Thickness (mm)	: 0.40 - 1.50
Roll Width (mm)	: 1000 ± 20
Roll Weight (Kgs)	: 50



DURASILE® SG-8290N

It is a flexible material with high recovery property and can be used for soft gasket applications like oil/fuel/water pumps, carburetors, gearboxes, oil pans etc. It is mix of reinforced fibres with nitrile butadiene binders.

Max Operating temperature	: 180°C
Density(g/cm ²)	: 1.20 ± 0.05
Compressibility at 350 Kg/cm ²	: 15% - 30%
Recovery (min.)	: 35%
Tensile Strength (Kg/cm ²)	: 110 (min.)

Available Thickness (mm)	: 0.40 - 1.50
Roll Width (mm)	: 1000 ± 20
Roll Weight (Kgs)	: 50



DURASILE® SG-1015

This gasket material is design for heavy-duty applications including compressors, diesel engines and other. It has excellent low flange pressure seal ability and bolt torque retention.

Max Operating temperature	: 205°C
Density(g/cm ²)	: 1.54 (min.)
Compressibility at 350 Kg/cm ²	: 13% - 25%
Recovery (min.)	: 40%
Tensile Strength (Kg/cm ²)	: 100 (min.)

Available Thickness (mm)	: 0.40 - 1.50
Roll Width (mm)	: 1000 ± 20
Roll Weight (Kgs)	: 50



DURASILE[®] Rubberized Cork Products

DURASILE[®] Rubberized Cork Sheets

- Rubberized Cork Sheets are produced from high-grade cork granules specifically selected and mixed with synthetic or natural rubber binders (Neoprene, Nitrile, SBR or Natural). Rubberized Cork has major superiorities over other gasket material, which makes it ideal for oil applications.
- Rubberized Cork Sheets have wide application in transformers & switchgears, automobiles and general electrical industry. It is also used as acoustic insulation for sound absorption and vibration damping.

Specifications compliance	: As per IS 4253 Part II
Available Sheet Sizes (mm)	: 900 X 600, 900 X 900, 1000 X 1000, 900 X 1800, 1000 X 2000
Available Thickness (mm)	: 1.00 to 25.00
Available Grades	: DRC-1, RC50A, RC70B, RC70C
Color	: Wooden/Dark Brown, Black, Red



DURASILE[®] Anti-Vibration Rubberized Cork Pad

Rubberized Anti-Vibration Cork Pad is an ideal material for thermal insulation or cooling chambers to prevent transmission of heat, to reduce noise levels or to provide vibration insulation for running machinery.

Available Sizes (mm)	: 900 X 600, 900 X 900, 1000 X 1000
Available Thickness (mm)	: 20.00 to 100.00
Available Grades	: DRC-1, RC50A, RC70B, RC70C
Color	: Wooden Brown



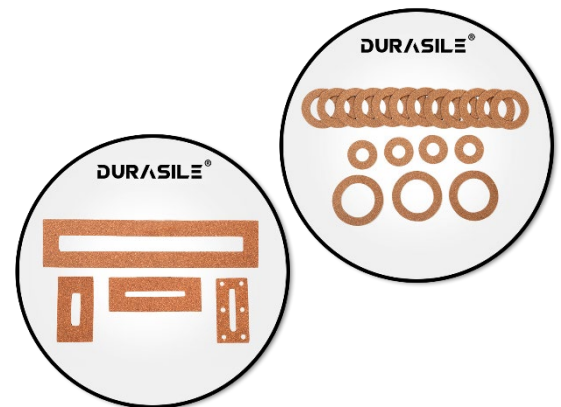
DURASILE[®] Rubberized Cork Gaskets & Strips

Transformer Rubberized Cork Washers are obtained from die punching the rubberized cork sheets into various forms and sizes as per customer design. Its usage saves time, material wastage and labour of consumers as it is available in pre-packed kit form.

We manufacture the readymade Rubberized Cork Washer kit (19 rings of various sizes) ready to use for the transformers. Also, we manufacture washers and rings as per customer's drawings or sample.



Rubberized Cork Strips are majorly used in flanges of Power and Distribution transformer tanks. Its usage reduces wastage and cutting costs compared to sheets. They come in continuous rolls of 20 meters and in varying widths and thickness as per customer requirement.



DURASILE[®] Thermal Insulation Millboard

DURASILE[®] AFB-ECO

DURASILE AFB-ECO is produced from high quality inorganic mineral fibres, incombustible fillers and binders. These millboard sheets are environmental friendly with zero percent asbestos content. This is a versatile thermal insulation and heat resistant material which can be cut with a die or a plotter for seals and thermal insulation purpose.

Max. Temperature	: 500°C
Available Thickness (mm)	: 2, 3, 4, 5, 6, 8, 10, 12
Available Sheet Size (mm)	: 1000 X 1000
Color	: Off-White



DURASILE[®] AFB-850

DURASILE AFB-850 is produced using selected mineral fibres and has a maximum operating temperature of 850°C. When cut and pressed, it has low dust emission and offers low wear resistance to tooling which ensures good definition for machined and pressed shapes whilst retaining sufficient mechanical strength for handling and installation.

Max. Temperature	: 850°C
Available Thickness (mm)	: 2, 3, 4, 5, 6, 8, 10, 12
Available Sheet Size (mm)	: 1000 X 1000
Color	: Off-White



DURASILE[®] AFB-1000

DURASILE AFB-1000 is produced using ceramic fibres and other inorganic fibres and it has a maximum temperature of 1000°C. It has good electrical properties and offers excellent arc resistance. It can also be used for burner, boiler and dryer gaskets and can be pressed and machined.

Max. Temperature	: 1000°C
Available Thickness (mm)	: 2, 3, 4, 5, 6, 8, 10, 12
Available Sheet Size (mm)	: 1000 X 1000
Color	: Off-White



Applications & Properties of Insulation Millboard

- | | | |
|---|-----------------------------|----------------------|
| • Heat shields | • Organic and asbestos free | • Insulating Gaskets |
| • Burners | • Electrical Insulation | • Actuators |
| • Low Thermal & Electrical Conductivity | • Induction furnace | • Dryers |
| • Fire-Protection | • Non-combustible | |
| • Steel and Aluminium Smelting | • Boilers | |

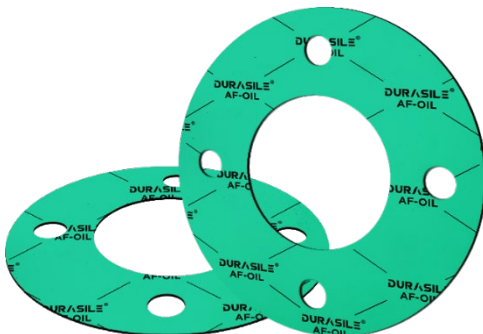
DURASIL[®] Gaskets

DURASIL[®] Soft Cut Gaskets

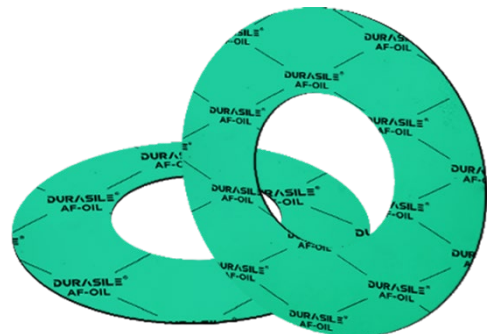
Non-Asbestos Soft Cut Flange Gaskets are designed to seal the space between two sections of pipe. They have very good heat resistant properties. They are also good for use in applications that put them into contact with water, steam, petrol or natural gas. As such, these gaskets are used in air compressors, diesel engines, pipelines and many other general industrial and marine environments.

We are manufacturing these gaskets as per ASME B16.20 standards suitable for flanges as per ASME B16.5 and ASME B16.47 Series A & B. We also manufacture gaskets as per standard sizes and non-standard sizes as per customer's specifications and drawings.

Types of Soft Cut Gaskets :-



Full Face Gasket : These gaskets have bolt holes in them and cover a large part of the face of the flange.
Suitable for : Flat Face Flanges.



Ring Gasket/Inner Bolt Circle Gasket (IBC) : These gaskets do not have any bolts and sits inside the bolts fastening the pipe flanges.
Suitable for : Raised Face Flanges.

DURASIL[®] Spiral Wound Gaskets

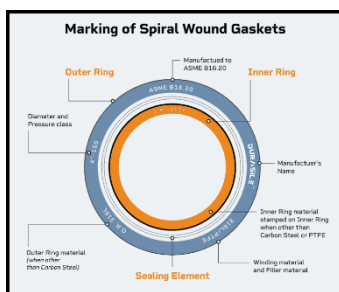
Spiral Wound Gaskets are perfect solution for flanged joints, heat exchangers, boiler handholes, manholes, and other high-temperature, high-pressure applications—providing resistance to precisely every known corrosive and toxic element.

Spiral Gaskets are made as per ASME B16.20 to suit ASME B16.5 flanges and as per "A" Series and "B" Series to suit ASME B16.47 flanges. We also make spiral as per DIN 2632-2638, IS Standards, etc. and depending on the chemical compatibility requirements, the filler and winding material used in these gaskets can be changed.

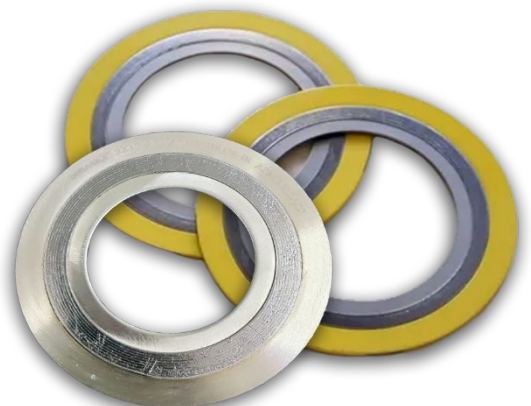
Technical Specifications :-

Temperature resistance capability of inner fillers.

Non-Asbestos : 260°C
PTFE : 260°C
Graphite : 550°C
Ceramic : 800°C



Spiral Wound Gasket Color Chart	
Windings Material — Outside Rim Color	
304 SS	Yellow
316 SS	Green
321 SS	Turquoise
347 SS	Blue
Alloy 20	Black
Carbon Steel	Silver
Hastelloy B	Brown
Hastelloy C	Beige
Inconel	Gold
Monel	Orange
Nickel	Red
Titanium	Purple
Filler Material — Rim Stripe Color	
Mica Paper	Pink
Graphite	Grey
PTFE	White
Ceramic	Light Green



Quality Assurance

At DURASILE, we prioritize excellence through rigorous quality control and testing protocols that ensure every product meets the highest standards of performance and reliability. We invest in cutting-edge lab equipment to ensure precision and accuracy in our research and production processes. Our dedicated quality assurance team employs state-of-the-art technology and industry-best practices to meticulously inspect and test each product throughout its lifecycle.

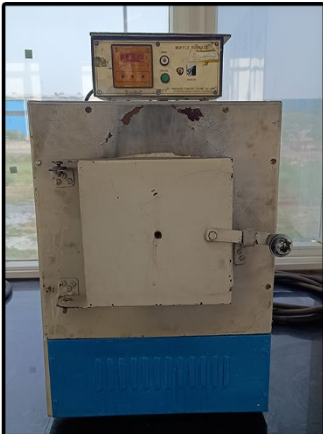
At DURASILE, Quality is not just a standard; it is the foundation of our success and customer satisfaction.



Gas Permeability Testing Machine



Stress Relaxation Testing Machine



Muffle Furnace



Hot Air Oven



Compressibility & Recovery Testing Machine



Tensile Machine

Exports & Shipments

At DURASILE, our commitment to excellence extends beyond borders. We are proud to facilitate global trade by exporting our premium products to a wide array of international markets. Our global export strategy is underpinned by a robust logistics network, ensuring that our products reach customers worldwide with unmatched reliability and efficiency.

Our products are packed with care using robust materials and advanced techniques to protect them during transit. This commitment to secure packaging guarantees that your products arrive in excellent condition, wherever they are headed globally.





DURASILE®
Sealing & Insulation Solutions

K.S. Trading Co.
(An ISO 9001:2015 Certified Company)

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