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dinamik[®]
Çözüm



DYNAFLEX RUBBER[®]

RUBBER FOAM
INSULATION PRODUCTS

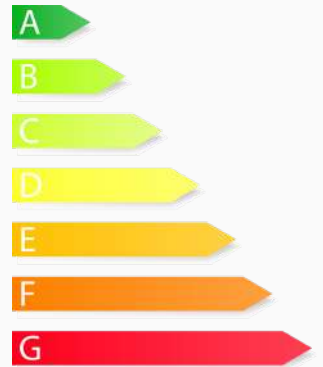
www.dinamik-izmir.com

A livable future,
will come with Dinamik.



ELASTOMERIC RUBBER FOAM INSULATION PRODUCTS

**Premium
insulation
for class
A energy
consumption**



Ventilation ducts and installation lines are the areas where energy loss occurs the most. It is possible to minimize this energy loss by choosing the right material and correct insulation thickness.

Dynaflex Rubber Elastomeric Rubber Foam insulation products are produced at a density of 40-75 kg/m³ with a closed cell structure and are an excellent insulation material that you can use safely in air conditioning and cooling installations due to its high resistance to vapor diffusion.

Dynaflex Rubber Elastomeric Rubber Foam insulation products supply with your demands to the maximum rate. It prevents energy losses in ventilation ducts and installation lines and provides over 80% energy savings depending on the thickness of the insulation.

CORRECT DENSITY

The thermal conductivity coefficient is significantly related to the amount of elastomeric material used. When small amount of insulation material is used at low densities, noticeable heat transfer through convection and radiation is observed. When density increases, heat transfer through convection and radiation decreases. However, heat transfer by conduction increases at the same rate. The density when the heat transfer value by conduction is equal to the heat transfer value by radiation and convection is the correct density and the best insulation is provided at this point.

After this point, the heat conduction coefficient increases and the insulation properties of the material deteriorate. High heat conduction coefficient occurs for two reason. One of these is the high density and very small structure. Secondly, it is low density (which means less production cost) and large cell structure. In both cases, insulation material with poor insulation properties is obtained. As mentioned above, perfect insulation can be achieved when the correct rate is achieved between the closed cell size and the number of cells per unit area. Dynaflex-Rubber foam products are produced at an optimum rate of 100 – 120 cells / cm² and a density of 40 to 75 kg / m³, providing the most efficient results in insulation.



ELASTOMERIC RUBBER FOAM PIPE

Dynaflex-rubber elastomeric rubber foam pipes are produced in a way that does not exceed minimum and maximum tolerances and ensures proper and correct installation. Thus, insulation becomes more efficient and easier. In addition to the standart material, aluminium foil coated and PVC+Aluminium foil coated product options are also offered.



ALUMINIUM FOIL COATED RUBBER FOAM PIPE



Production is carried out with aluminum lamination on bare Dynaflex-Rubber rubber foam pipes. It provides maximum UV resistance. It provides maximum resistance against external environmental conditions with 65 micron Composite Aluminum Foil Lamination. Vapor diffusion resistance coefficient is over $\mu > 150,000$. It provides an aesthetic appearance. It is economical as it does not require an additional coating.

ELASTOMERIC RUBBER PIPE

PIPE DIMENSIONS AND BOX QUANTITIES

Copper Pipe	Steel Pipe	Nominal Size	6 MM	9 MM	13 MM	19 MM	25 MM	32 MM
Inch	Inch	mm	m/box	m/box	m/box	m/box	m/box	m/box
1/4"	1/4"	6	600	420	224	---	---	---
5/6"	5/6"	8	540	326	214	---	---	---
3/8"	1/8"	10	480	306	182	104	---	---
1/2"		12	360	268	168	100	---	---
5/8"		15	286	208	152	80	---	---
3/4"	3/8"	18	250	184	132	72	56	34
7/8"	1/2"	22	210	168	104	66	50	32
1"	---	25	176	132	100	60	52	28
11/8"	3/4"	28	150	132	76	58	40	24
13/8"	1	35	120	96	68	48	26	22
15/8"	11/4"	42	140	90	54	40	22	18
	11/2"	48	---	80	46	30	20	18
21/4"	---	54	---	80	44	32	20	16
23/8"	2"	60	---	54	44	28	18	14
21/2"	---	64	---	54	38	26	18	14
3"	21/2"	76	---	50	40	24	18	14
31/8"	---	80	---	50	34	24	18	14
39/16"	3"	89	---	48	36	22	14	12
4"	---	102	---	32	28	18	14	12
41/4"	---	108	---	32	28	18	14	12
41/2"	4"	114	---	32	24	18	14	8



ELASTOMERIC RUBBER FOAM SHEET TYPES

Dynaflex-Rubber closed-cell elastomeric rubber foam thermal insulation material is also produced in flat sheets of different thicknesses. Thanks to its high flexibility and strength, it can be easily applied in the insulation of large-surface industrial equipment such as large pipes, channels and tanks. Dynaflex-Rubber elastomeric rubber foam sheets, offered with different coating options, provide ideal thermal insulation and eliminate the condensation problem.

Thickness mm	m ² /Roll	Size (Roll/m)
3	72	1,2x60
6	36	1,2x30
9	24	1,2x20
13	16,8	1,2x14
19	12	1,2x10
25	9,6	1,2x8
32	7,2	1,2x6
40	4,8	1,2x4
50	4,8	1,2x4

DYNAFLEX-RUBBER
RUBBER FOAM SHEET



DYNAFLEX-RUBBER SA
ONE-SIDE SELF ADHESIVE RUBBER FOAM SHEET



DYNAFLEX-RUBBER AL
ALUMINIUM FOIL COATED RUBBER FOAM SHEET



DYNAFLEX-RUBBER AL-PLUS
REINFORCED AL-FOIL COATED RUBBER
FOAM SHEET



DYNAFLEX-CET
ONE-SIDE LAMINATED RUBBER FOAM
SHEET

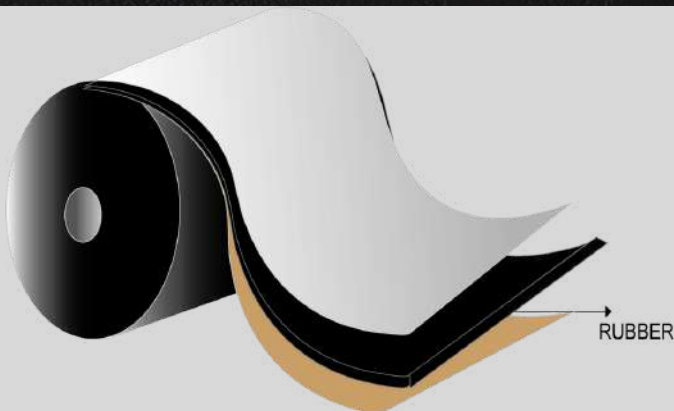


DYNAFLEX-RUBBER PVC/AL CLAD
AL-FOIL+PVC COATED RUBBER FOAM SHEET



All products can be laminated on both sides with the same or different products.

Please contact us.



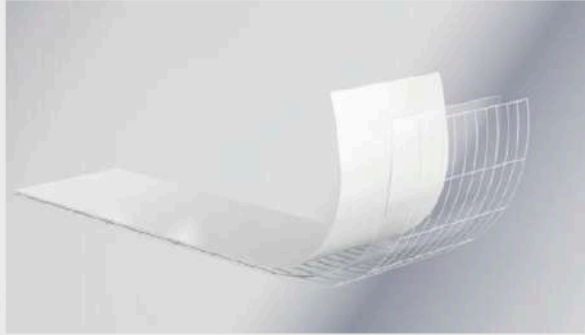
TAPE TYPES USED IN APPLICATION

It is used in industrial applications, construction, thermal insulation, white goods, automotive, color chart, metal, plastic, medical, cardboard, textile, sponge lamination areas.

Net Reinforced Transfer Tape PP Liner - D 57

(Can be produced without carrier upon request)

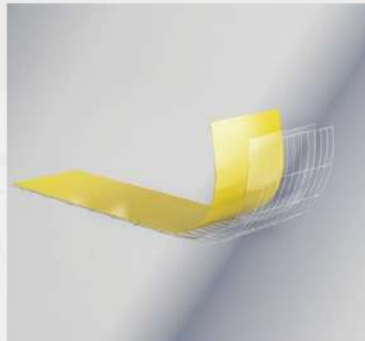
	METHOD	UNIT	TARGET
Carrier			
Weight	ISO 536	g/m ²	5 ± 1
Glue			
Peel Adhesion 180°	AFERA 5001	N/25mm	Min.13
Shear	AFERA 5012	S	Min.00:30
Min. Operating Temperature		°C	0
Service Temperature		°C	-15 / +80
Liner			
Weight	ISO 536	g/m ²	60 ± 3
Thickness	ISO 534	µm	55 ± 3
Total Thickness (except liner)	ISO 534	µm	45 ± 3



Net Reinforced Transfer Tape Havana Paper- D 42

(Can be produced without carrier upon request)

	METHOD	UNIT	TARGET
Carrier			
Weight	ISO 536	g/m ²	5 ± 1
Glue			
Peel Adhesion 180°	AFERA 5001	N/25mm	Min.22
Shear	AFERA 5012	S	Min.2
Min. Operating Temperature		°C	0
Service Temperature		°C	-10 / +120
Liner			
Weight	ISO 536	g/m ²	80 ± 4
Thickness	ISO 534	µm	65 ± 4
Total Thickness (except liner)	ISO 534	µm	65 ± 4



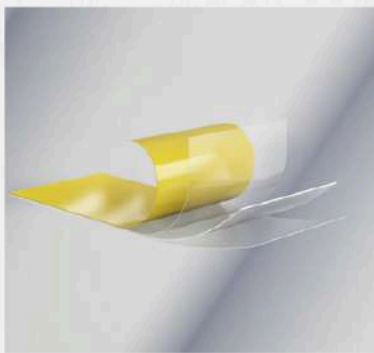
According to demand; It can be produced in widths of 10 mm - 1500 mm and weights between 40 - 200 gr.

Transfer Tape Shelf Life and Storage:

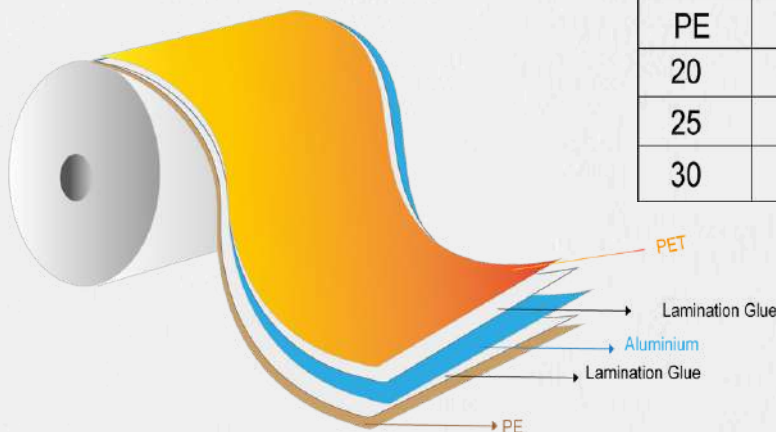
It has a 6-month shelf life when stored in a dark, dry environment away from direct sunlight and heat, at 20 C ± 3 C, and at 50%, ± 20% relative humidity.

Double Sided Tissue Tape - D 54

	METHOD	UNIT	TARGET
Carrier			
Weight	ISO 536	g/m ²	12 ± 1
Thickness	ISO 534	µm	23 - 2
Glue			
Peel Adhesion 180°	AFERA 5001	N/25mm	Min.24
Shear	AFERA 5012	h	Min.10
Min. Operating Temperature		°C	0
Service Temperature		°C	-15 / +80
Liner			
Weight	ISO 536	g/m ²	80 ± 4
Thickness	ISO 534	µm	65 ± 4
Total Thickness (except liner)	ISO 534	µm	105 ± 6



Aluminum Foil Coating Types



PE	Aluminium	PET	Thickness	Tolerance
20	7	12	45	± 10 %
25	7	12	50	
30	7	12	55	

RUBBER TAPE TYPES

Rubber Tapes

Tapes made of the same material are used to close the joints or gaps formed during the application of Rubber Foam insulation products. Rubber tapes, which are generally produced as standard in 3 mm and 6 mm thickness, are offered with flat and mesh reinforced options in terms of adhesive properties. It can be produced in different sizes, please contact us for details.



Aluminium Tapes

Aluminum foil tapes, which are used to close the joints and openings that occur during the application of aluminum foil-coated rubber pipes and sheets, are produced as standard in 5 cm, 7.5 cm and 10 cm widths. They are offered with plain and net-reinforced options in terms of adhesive properties.

PVC Tapes

PVC tapes used in many different areas have different properties depending on the condition of the place of use. Especially black PVC tapes are preferred for closing the joints and openings that occur during the application of uncoated rubber insulation products.

Industrial Coating Glue

It is used in bonding installation insulation products such as rubber foam, polyethylene, fixing sound insulation acoustic panels and pipes, bonding products such as sponge, fabric, felt etc., bonding products such as wood and decorative laminates, rubber, leather cork etc., bonding coatings to hard PVC, edges and curved surfaces.

TAPE DIMENSIONS AND PROPERTIES

Rubber Tape 3 x 50 x 15.000 mm
Rubber Tape 3 x 75 x 15.000 mm
Rubber Tape 3 x 100 x 15.000 mm
Reinforced Aluminium Foil Tape 3 x 50 x 25.000 mm
Reinforced Aluminium Foil Tape 3 x 75 x 25.000 mm
Reinforced Aluminium Foil Tape 3 x 100 x 25.000 mm
Aluminium Foil Tape 3 x 50 x 25.000 mm
Aluminium Foil Tape 3 x 25 x 25.000 mm
Aluminium Foil Tape 3 x 100 x 25.000 mm
PVC Insulation Tape -Gray/ Black 3 x 50 x 25.000 mm



DYNAFLEX RUBBER Rubber Foam Technical Specifications Data Document



Operating Temperature

In pipes : -20°C, + 80°C (in current moods -40 0C, + 116 0C)
In Sheet and Rolls: -20°C, + 75°C (in current moods -40 0C, + 85 0C)



Density

Dynaflex Rubber foam insulation products offer the most efficient and suitable insulation opportunities thanks to their 100-120 cells/m³ closed cell structure and optimum density.
Density (40-75) kg/m³



Heat Transmission Coefficient (Λ)

Dynaflex Rubber foam insulation products significantly reduce heat transfer thanks to the stagnant air trapped within closed cells and the low thermal conductivity of the elastomeric material.

at -20°C 0,032W/(m °K)
at 0°C 0,035W/(m °K)
at +25°C 0,037W/(m °K)



Vapor Diffusion Coefficient

The material and internal structure of Dynaflex Rubber foam insulation products show great resistance to water vaport diffusion.
(μ) > 7000



Fire

Dynaflex doesn't carry flames, doesn't drip burning particles, and doesn't spread fire. It provides safe insulation in all buildings. B S3 d0 (TS EN 13501-1) Positive results were obtained in terms of inspections and tests carried out in Turkish Standarts Institute laboratoires according to Turkish Standarts No. TS EN ISO 11925-2.



Flexibility-Elasticity

The superior flexibility of Dynaflex Rubber foam insulation products provides efficient insulation, easy and quick installation.

Tensile Strenght: 0.32 Mpa
Tearing-Split: 203% Tearing Resistance: 1.59 KN/m

Sound Insulation : Above 32 Db

Outdoor Resistance : Good

Color-Smeel : Black-Natural

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Technical Product
Document Number:

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Logistics Data

ELASTOMERIC RUBBER FOAM PIPE TYPES

	 40 HQ/HC CONTAINER between 75 m ³ and 80 m ³	 TRUCK between 80 m ³ and 90 m ³	 LORRY between 45 m ³ and 55 m ³
Loadable Quantity	220 boxes	300 boxes	150 boxes
Product Net Weight	2500 - 3000 Kg	3000 - 4000 Kg	1300 - 1700 Kg

ELASTOMERIC RUBBER FOAM SHEET TYPES

	 40 HQ/HC CONTAINER between 75 m ³ and 80 m ³		 TRUCK between 80 m ³ and 90 m ³		 LORRY between 45 m ³ and 55 m ³	
Loadable Quantity	245 Rolls	240 Rolls	310 Rolls	280 Rolls	160 Rolls	150 Rolls
Rolls Size	100 cm	120 cm	100 cm	120 cm	100 cm	120 cm
Product Net Weight	2500 - 3000 Kg		3000 - 4000 Kg		1300 - 1700 Kg	

who are we ?

Dinamik Isi, which started its business in 1991 as a contractor for mechanical installation applications, has expanded its business especially in the field of insulation and has been providing service for 33 years as a dealer, distributor, importer, representative, industrialist and finally manufacturer.

Our company stepped into the insulation sector in 1993 and specialized in this field. As of 1994, it liquidated its other branches of activity and started to specialize only in insulation and guided investors by adopting an innovative approach in the sector with the "Insulation Consultancy Centers" it established in Izmir in 1997 and in Denizli in 1999.

With the investment decision we made in 2003, we gained our industrialist identity by starting to produce CLİMAFLEX Polyethylene Insulation materials and DYNAJACKET Valve and Armature Jackets in 2004. In the same year, we started to import Elastomeric Rubber Foam insulation products used in the Heating, Cooling and Air Conditioning sectors and made it a long-term business plan to produce this product in the future.

In the second year of our production, we registered the importance we give to quality by obtaining the ISO 9001:2000 Quality Management System certificate and updated it to the ISO 9001:2008 version in 2010. We doubled our production capacity in polyethylene products by commissioning the second production line in 2006. We started exporting with the DYNAFLEX brand in 2007 and were awarded the "Company with the Highest Increase in Exports" award by the Aegean Regional Chamber of Industry in 2008.

In 2010, we proved our sensitivity to the environment and received the ISO 14001 Environmental Management System certificate. In 2015, we switched to the Integrated Management System and implemented the OHSAS 18001 Occupational Health and Safety Management System within our organization.

We completed our Elastomeric Rubber Foam Production Facility, which we planned in 2004, tried in 2009 and 2013 but postponed each time for important reasons, and started mass production in 2021.

By 2020, we have put the foundations of institutionalization efforts in place and provided a transparent, auditable, accountable business model that complies with international ethical codes.

In this way, it can easily manage all business processes and at the same time, Dinamik ISI, which has set itself the goal of being listed on Borsa Istanbul within 5 years to support all these processes, completed all these processes in August 2020 and went public on Borsa Istanbul and its shares started to be traded on the stock exchange with the code DNISI on September 3, 2020.

We started to produce electricity by establishing a 4513 KWp Solar Power Plant (SPP) on the 31,600 square meter roof area of our production facilities consisting of a total of 6 buildings. We currently meet all of the electrical energy needs of our facilities from our own SPP Plant.

With 33 years of experience and a product range of over 4,000 products produced in our modern production facilities, we continue to produce and create added value for our country. We continue to grow by adding a new one to our investments every day and walk towards the future with confidence.

OUR PRODUCTION COMPLEX



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For special applications, please contact our company.