

DYNA FLEX® PE

Polyethylene Insulating Products



Yalıtımda
dinamik®
Çözüm



Dynaflex closed cell polyethylene insulation pipes and Rolls, is produced in accordance to the need for worldwide energy conservation, and fulfill the expectations of the engineers, contactors, installers and investors with Dinamik's 20 years of technical and business experience and excellent view of quality.



DISCOUNT



to Your Energy Costs

MINIMUM
INVESTMENT

MAXIMUM
SAVING

Thermal Conductivity (λ)

$$(\lambda) \leq 0,040 \text{ W/m}^\circ\text{K}$$

Thermal conductivity is the most important characteristic at the insulation products. With low thermal conductivity of the air in the closed cell and the polyethylene; Dynaflex significantly reduces the heat transfer.

Vapor permeability (μ)

$$(\mu) \geq 5000$$

With its high density and closed cell construction Dynaflex insulation pipes and rolls shows high resistance to vapor transmissions in long term performance. With this characteristic Dynaflex stops condensation problem of the cooling lines.

Fire Rating

DIN 4102-B1

Dynaflex closed cell polyethylene insulation products will not drip flaming particles, will not support fire and will not spread flame. Dynaflex insulation products can be safely use in residential and public buildings.

Dynaflex Polyethylene Pipe



Dynaflex closed cell polyethylene pipes has best characteristic such as optimum density, ideal closed cell rate, high vapor permeability low thermal conductivity which are produced under the technology of extrusion method. Dynaflex pipes is produced from 10 mm up to 139 mm diameter and the thickness of 6, 10, 15, 20, 30 mm. Due to its high characteristics and very LOW COST, Dynaflex closed cell polyethylene insulation pipes is the ideal way of insulation for your cooling and heating lines.



Dyna Flex - AL

Aluminum coated polyethylene pipe



Dynaflex aluminum coated polyethylene pipes shows very high resistance to the negative weather conditions, wind, rain, and U.V. lights of the sun with its 65 micron thickness composite aluminum foil lamination. Dynaflex AL is the unique insulation product that can be used outdoors without any extra covering. Dynaflex AL has very high vapor permeability ($\mu \approx 16000$) because of the aluminum foil lamination and can be used cooling line to stop condensation.

Dynaflex AL has been given 1 st prize for he insulation product of the year by Insulation product of the year by Insulation Magazine "YALITIM" is the biggest magazine for insulation market in Turkey.

DYNAFELX AL ensures the insulation characteristic of itself form U.V. lights, weather conditions for long term by its good and esthetic outlook.

DYNAFLEX Polyethylene Sheets and Rolls

Dynaflex polyethylene insulation sheets and rolls can be used very easily and safely on air ducts, pipes with the diameter high form 4" and large objects such as boilers. Dynaflex Sheets and Rolls is produced with the thickness of 6, 8, 10, 15, 20, 30 mm as self adhesive option and aluminum or metalized film laminated. With its optimum density and very low costs Dynaflex Sheets and Rolls can be used on your cooling lines to save energy.



Dynaflex AL



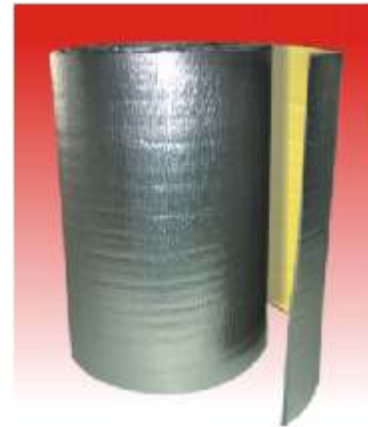
Dynaflex AL is the unique insulation product because of the laminated aluminum foil. It has very high vapor permeability ($\mu \approx 16000$).

Dynaflex SA



Dynaflex SA polyethylene insulation sheet and rolls is produced as self adhesive (klebstoff) with its reinforced and acrylic adhesive. Thus you can save workmanship and time.

Dynaflex AL-SA



Dynaflex AL SA is produced as self adhesive and aluminum foil coated. In addition to its technical characteristics Dynaflex AL SA has nice and good outlook.



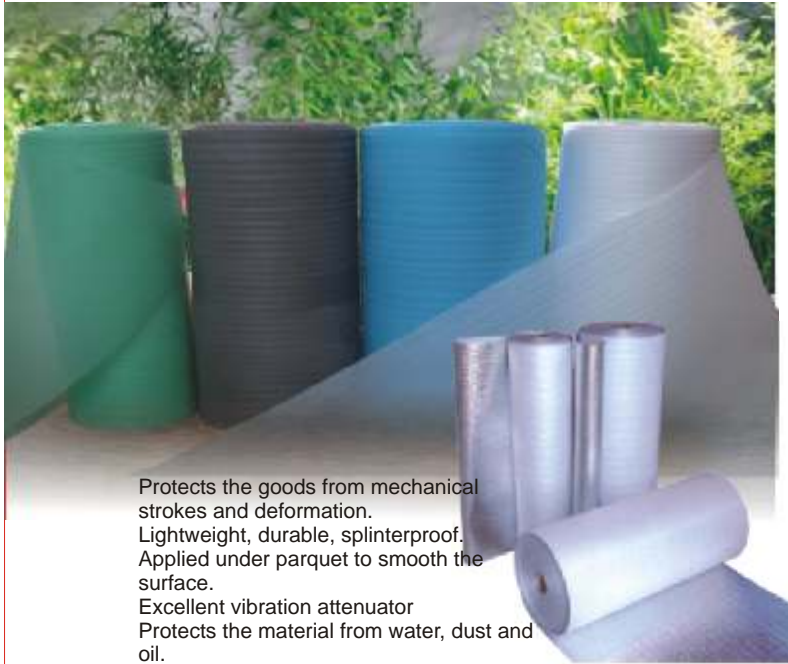
Dynaflex P.E. Tape

Dynaflex PE tape is the most ideal product to assemble the polyethylene pipes and rolls. It is produced with the width of 3 and 5 cm, thickness 3 mm and the length 15 meters.

QUALITY

Dynaflex closed cell insulation pipes and rolls are produced in Dinamik's ISO 9001:2008 certificated plants and are controlled during the every production stages by laboratory and measuring devices. Dinamik Company pay very high attention to the quality and customer satisfaction form the production to delivery.





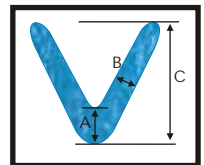
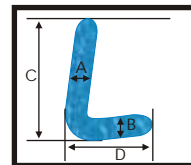
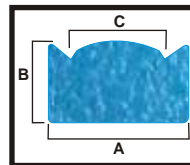
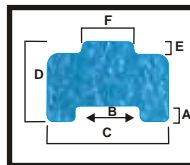
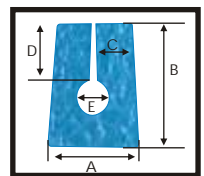
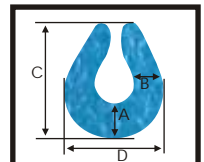
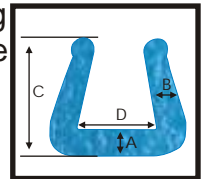
Protects the goods from mechanical strokes and deformation.
 Lightweight, durable, splinterproof.
 Applied under parquet to smooth the surface.
 Excellent vibration attenuator
 Protects the material from water, dust and oil.

Dynaflex polyethylene packaging rolls is produced as one layer from 0,7 mm to 10 and is produced multi layer from 10 mm to 60 mm. Dynaflex polythene packaging rolls are produced for almost every market such as electronics, medical devices, measuring devices etc. to protect the goods from shocks during the delivery and storage. It can be cut and formed very easily and protects the goods from smashing, cracking broking scratch etc.

Dynaflex under parquet rolls; is produced for under parquet application as naked or metalized film lamination. It does not get affected from humidity because of its closed cell structure thus it can lenght the life of the parquets. It minimize shock waves and smooths the surface and is produced from 1,2,3,4,5 mm thickness.

Dyna Profil

Dynaprofil is developed to protect the goods such as Furniture, Glass etc. during the delivery. It is produced in almost every shape like U, V, W, C, L, O and can be formed almost every shape and be easily cut. It does not include lead, mercury thus it can be recycled and is friendly to the nature.



DYNA FILL



Dynaflex round polyethylene profiles is used to fill up expansions joints, gaps of sides of the windows and doors etc. It is produced from the diameter of 10 mm up to 70 mm. It minimizes the consumption of the filling material such as acrylic or polyurethane. It absorbs the thermal tensions and building movements.

TECHNICAL CHARACTERISTICS

Operating Temperatures



It is below the operating temperatures of Dynaflex pipes sheets and rolls.

Pipes : -45°C,+105°C
Rolls : -80°C,+100°C

Density:



Dynaflex closed cell insulation products is produced with optimum density where the maximum insulation specifications is achieved.

Pipes : 30-35 Kg/m³
Rolls : 35-40 Kg/m³

Thermal Conductivity: (λ)

Dynaflex significantly reduces the heat transfer through the insulation, as air (closed cell) & polyethylene material are the poor conductors of heat.

$\lambda = 0,035 \text{ W/m}^{\circ}\text{K} - 0^{\circ}\text{C}$
 $\lambda = 0,040 \text{ W/m}^{\circ}\text{K} - 40^{\circ}\text{C}$

Vapor Permability:(μ)

Dynaflex shows high resistance to vapor transmission because of its closed cell structure.

Pipes and Rolls $\mu \geq 5000$
Al. Foil Coated Rolls $\mu \geq 55100$
Al. Foil Coated Pipes $\mu \geq 163000$

Fire Rating:



Dynaflex closed cell polyethylene insulation products will not drip flaming particles, will not support fire and will not spread flame.

DIN 4102, B1 German Standarts

Noise Reduction:
(Acoustic)

Dynaflex closed cell insulation products reduces the shock noise at very high rate.

23 d.B.A. (DIN 4109)

Outdoor Resistance:

Dynaflex polyethylene insulation products has high resistance for outdoor conditions.

Pipes and rolls : Good
Al. Coated Pipes and Rolls: During the working period of plumbing

Environmental Effect:

Dynaflex polyethylene insulation products does not include lead, mercury CFC or HCFC gases thus it can be recycled and is friendly to the nature.

CFC Free

The technical values of Dynaflex-PE can be changed without previous notification by the purpose of recovery of the products

Address: 1203/4 Sok. No:1/A Yeni ehir - zmir - TÜRK YE
Tel: +90 232 449 12 50 (pbx) Fax: +90 232 449 01 34
e-mail: export@dinamik-izmir.com
Http://www.dynaflex.com.tr

Yalıtımda
dinamik[®]
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