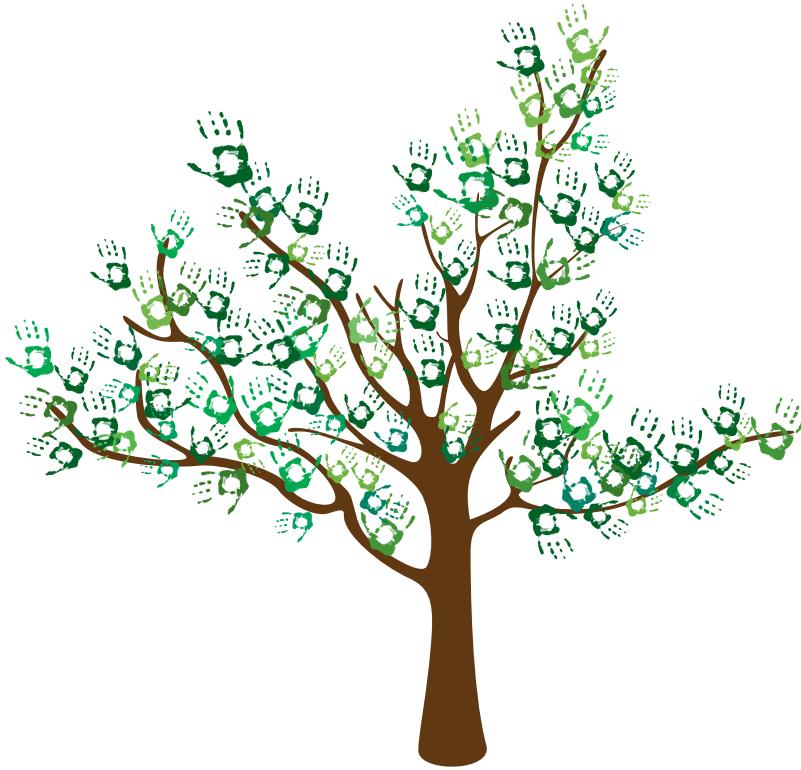


The logo for 'bareks' is centered in the upper half of the image. It features a stylized lowercase 'b' in red, followed by 'areks' in a dark grey sans-serif font. The background consists of a light blue gradient with a white square in the top-left corner and a series of overlapping, curved blue bands at the bottom.

**bareks**



**Within the scope of its social responsibility projects Bareks is supporting "the Aegean Forest Foundation" and makes its region win new forests each year.**



careks



bareks



# bareks

**Bareks Plastics** was established in 2002 by Bakioglu Holding. Bareks has two plants which are located in Izmir Ataturk Organised Industrial Park Zone and covers totally 15.000 sqm area. Bareks is the only independent Turkish company that produces sophisticated multi-layer polyethylene films and markets its production to both domestic and international converters. Bareks is producing PE films between 20-200 microns thickness with its fully automatic and new generation lines. Having ISO 9001:2008, ISO 14001:2004 quality and BRC/IOP certificates, Bareks meets contemporary quality requirements and supplies the best service to its customers.

**Bareks** exports 70% of the total production. The main export market is Europe, to where the sales reach 90% of the total export. The factory is located on the west coast of Turkey in Izmir, and it is only 20 minutes truck-drive away from both Izmir Port and Aliaga Port. One of the most important advantage of Bareks is the short transit duration to the main ports of Europe like Trieste, Marseille, Piraeus, Antwerp.

# CO-EXTRUSION LINES

**Bareks** operates blown film co-extrusion lines dosaging 16 different polymers simultaneously and produces three layer films. On the co-extrusion lines, the thickness and the profile of the produced films are kept under continuous control by the entirely computerized systems.

**Bareks** also provides a "Product Quality Certificate" for each produced roll. Lines are capable of producing a lay flat film up to 2650 mm width. Uninterrupted production with automatic core and shaft changing and roll unloading is realized at all times by fully automated equipments assuring hygienic environment for all products.





# RESEARCH & DEVELOPMENT QUALITY CONTROL

**Bareks** performs R&D and Q&C operations in its latest technology equipped laboratory with high skilled engineers and technicians. At the R&D department, special and new formulas are generated to meet the customers' expectations.



### **Equipments at the Laboratory**

- › Oxygen transmission rate measurement device **(OTR)**
- › Water vapour transmission rate measurement device **(WVTR)**
- › Fourier transform infrared spectroscopy device **(FTIR)**
- › Differential scanning calorimetry device **(DSC)**
- › Hot-tack measurement
- › Heat seal testing device equipped with hot tack measurement block
- › Coefficient of friction measurement device
- › Tensile strength testing device
- › Tear resistance testing device
- › Digital gloss, haze, transmittance device
- › Time and heat controlled digital oven
- › Weight measurement testing device
- › Optical density measurement device





# RAW MATERIALS

**Bareks** is able to produce 3 layer films by different combinations of Polyolefin family. Essential raw materials used in Bareks are as follows:

**LDPE:** Low density polyethylene

**LLDPE:** Linear low density polyethylene (C4, C6, C8 based)

**mLLDPE:** Metallocene linear low density polyethylene

**HDPE:** High density polyethylene

**MDPE:** Medium density polyethylene

**EVA:** Ethyl vinyl acetate

**PP:** Polypropylene

## **ADDITIVES**

**AB:** Antiblock

**AF:** Antifog

**AS:** Antistatic

**PA:** Processing Aid

**SA:** Slip Antiblock

## **MASTERBATCHES**

**PLASTOMERS**

**IONOMERS**

# FILM TYPES

- › Lamination Films
- › Lap Seal Films
- › Peelable Films
- › Lidding Films
- › Sanitary and Hygiene Films
- › Frozen Food Packaging Films
- › Detergent Packaging Films
- › Oxo-biodegradable Films
- › Bread Bag Films
- › Shrink Films
- › Colored Films
- › Label Films
- › Pet Food Films
- › Surface Printing Films
- › Wet Wipe Films









# LAMINATION FILMS

Our lamination film range includes different formulations which meet different customer needs.

**We manufacture high quality lamination films with desired;**

- › COF value
- › Stiffness
- › Hot tack performance
- › Sealing performance
- › Tear performance
- › Antifogging effect
- › Antistatic property

In order to meet the additional requirements for specific applications we manufacture formulations on purpose like,

- › Low seal initiation temperatures
- › Increased puncture resistance
- › Increased seal through contamination performance
- › Easy tear in MD or TD direction
- › High flex- crack performance
- › Dart drop
- › Hot tack

The thickness range of this type of films varies between 18 and 200 microns.





# LAP SEAL FILMS

We also produce special PE film which gives a lap seal (A-B sealing) to OPP giving the end user a wide choice of packaging design.

# PEELABLE FILMS

Bareks team has the ability to design a peelable film for your packaging application according to your needs such as peel strength and seal temperature that you require.





# COHESIVE PEEL

We produce peelable film having a property of seal / peel to itself (PE-PE), when laminated with PET, OPP or similar carriers. Easy peel property after the heat seal, offers a great value to the end users as the pack will not get deformed after the first usage. This film has a cohesive peel mechanism and leaves a white and smooth peel surface after opening.

# ADHESIVE PEEL

Another peelable film which seal / peel to itself has adhesive peel mechanism and seals at lower temperatures. It is especially designed for oily seal areas like snack food. We also manufacture peelable film with low WVTR (without lamination) for cereal packaging.





# LIDDING FILMS

Our film range provides a solution for many lidding application for different kind of trays. We offer specially formulated lidding films for trays made of various materials including PET, PVC, PS, PP, PE.

# SANITARY AND HYGIENE FILMS

Sanitary and Hygiene films which are produced with many types of formulations, have easy tear, dead fold properties; and this type of films are suitable for surface printing. Thickness range varies from 25 to 80 micron. Toilet paper, paper handkerchiefs, baby pads, hygienic pads, paper napkin, paper tissue packaging are the essential applications of sanitary and hygiene films.





# FROZEN FOOD PACKAGING FILMS

High resistance to tear and puncture and low initial heat seal capabilities are the essentials of this type of film. Thickness range varies from 30 to 170 microns. This film is mainly used for frozen fruits, vegetables and sea food packaging applications.





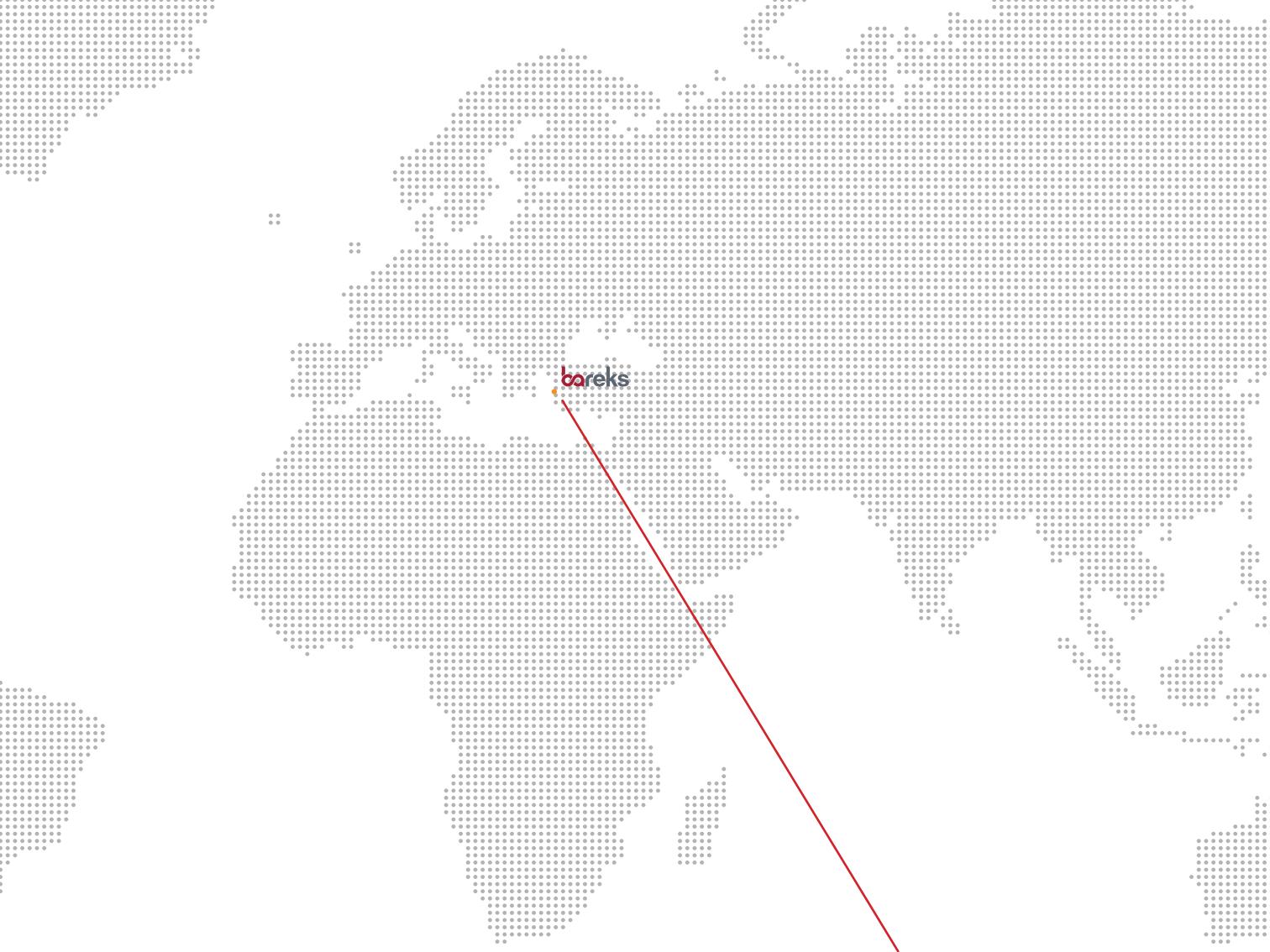
# DETERGENT PACKAGING FILMS

This type of films are suitable for both surface and reverse printing, with high hot tack, desired COF, high dart drop, bond strength properties and can be applied as top or base films. Thickness range varies from 20 to 170 microns. It is used for the powder type detergent packaging.

# OXO BIODEGRADABLE FILMS

These kinds of films are produced from conventional petrochemical based sources modified with additives that result biodegradation process when exposed to environmental ambient conditions.





bareks

**bareks**

**bar**eks

**PLASTİK FİLM EKSTRÜZYON  
SANAYİ VE TİCARET A. Ş.**

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**bakioğlu**  
HOLDING