

**careks**



**bareks**





# ABOUT *US*

Established in **2002**

Total operation area  
**38.000 m²**

**2 plants** in different locations:  
İzmir Atatürk Industrial Zone  
and İzmir Free Zone

**44.000 TPA**  
production capacity

**8 co-extrusion lines** with  
3 Layers PE Production

**Up to 2600 mm**  
Production width

**From 20 µ up to 200 µ**  
Production thickness

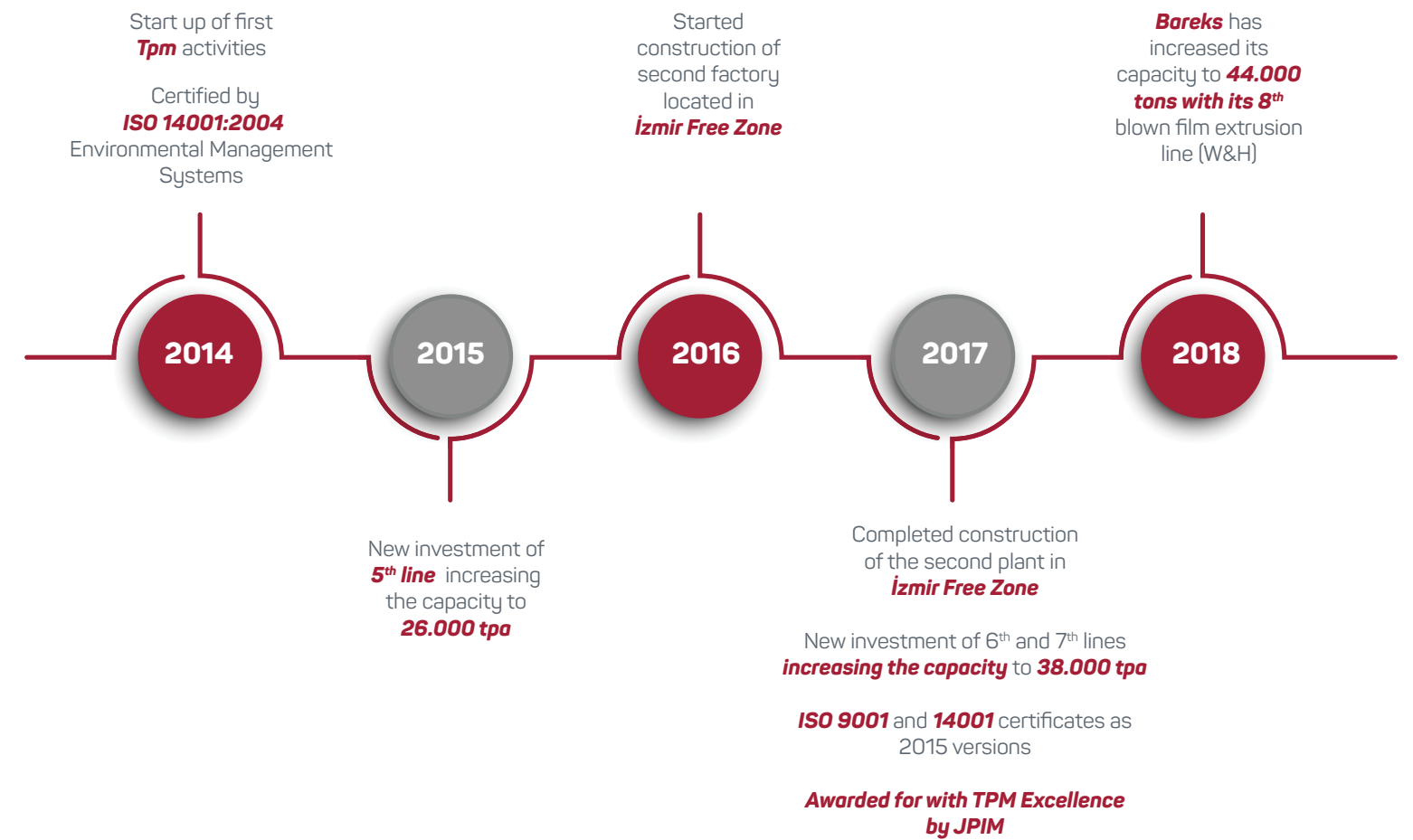
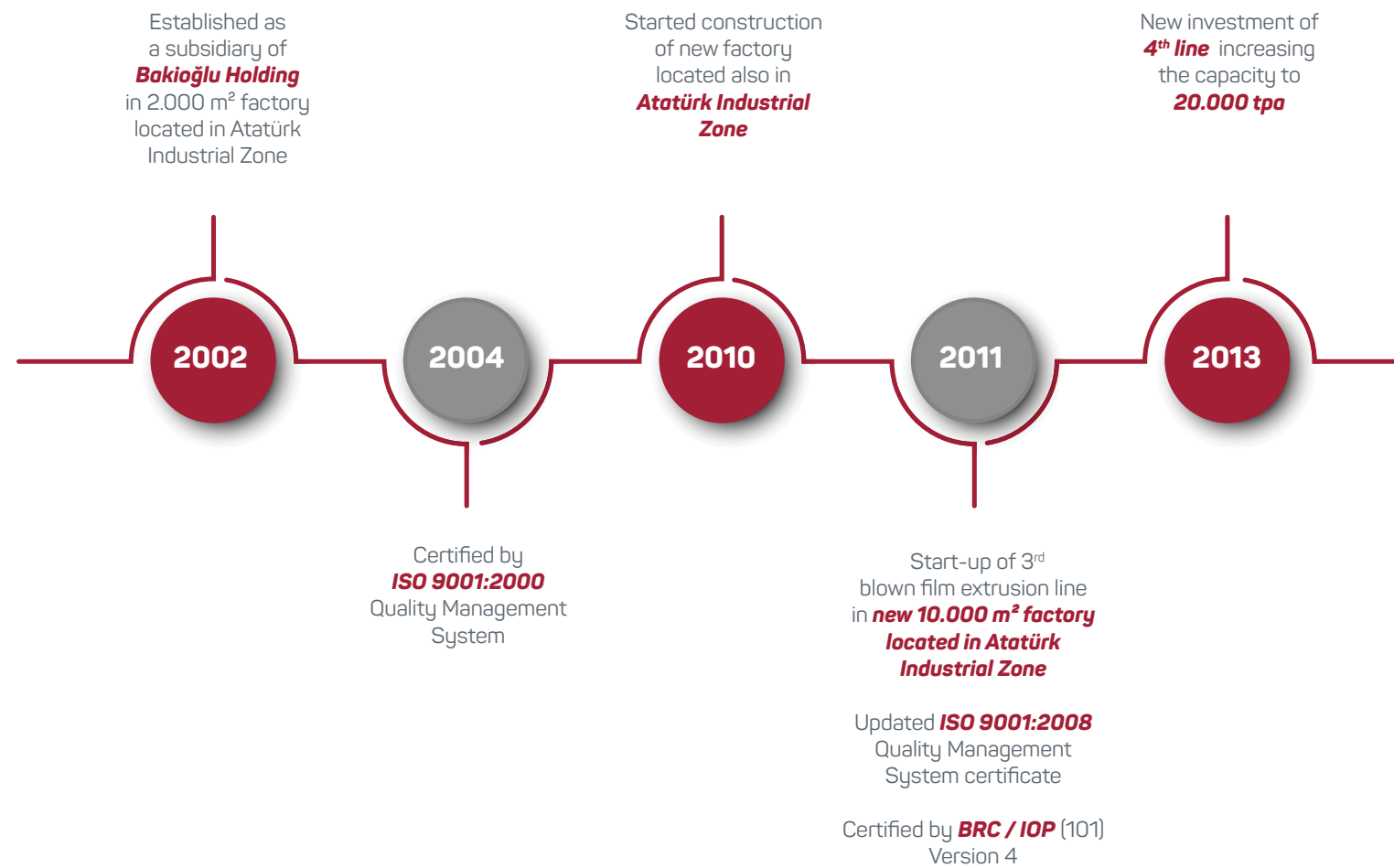
Independent Producer of  
multi-layer PE films especially  
for lamination: Mainly for Food  
Applications

State of the art technologies:  
production lines from  
**Windmoeller & Hoelscher**

Focuses on continuous  
improvement and  
operational excellence

**Awarded for TPM Excellence**







## COMPETITIVE **ADVANTAGES**



### ***İzmir Free Zone Plant***

New plant located in İzmir Free Zone

Only 20 minutes drive away from both  
İzmir Port and Aliğa Port

State of the art technologies

Export oriented processes & regulations

Serves as a contingency plan for the main plant





# COMPETITIVE *ADVANTAGES*

## *Dynamic and Dedicated Team*

- ✓ Excellent CRM services
- ✓ Key Account Management
- ✓ Focused and dedicated professionals
- ✓ Responding to all enquiries within 24 hours



# COMPETITIVE *ADVANTAGES*

## *Geographical Advantage*

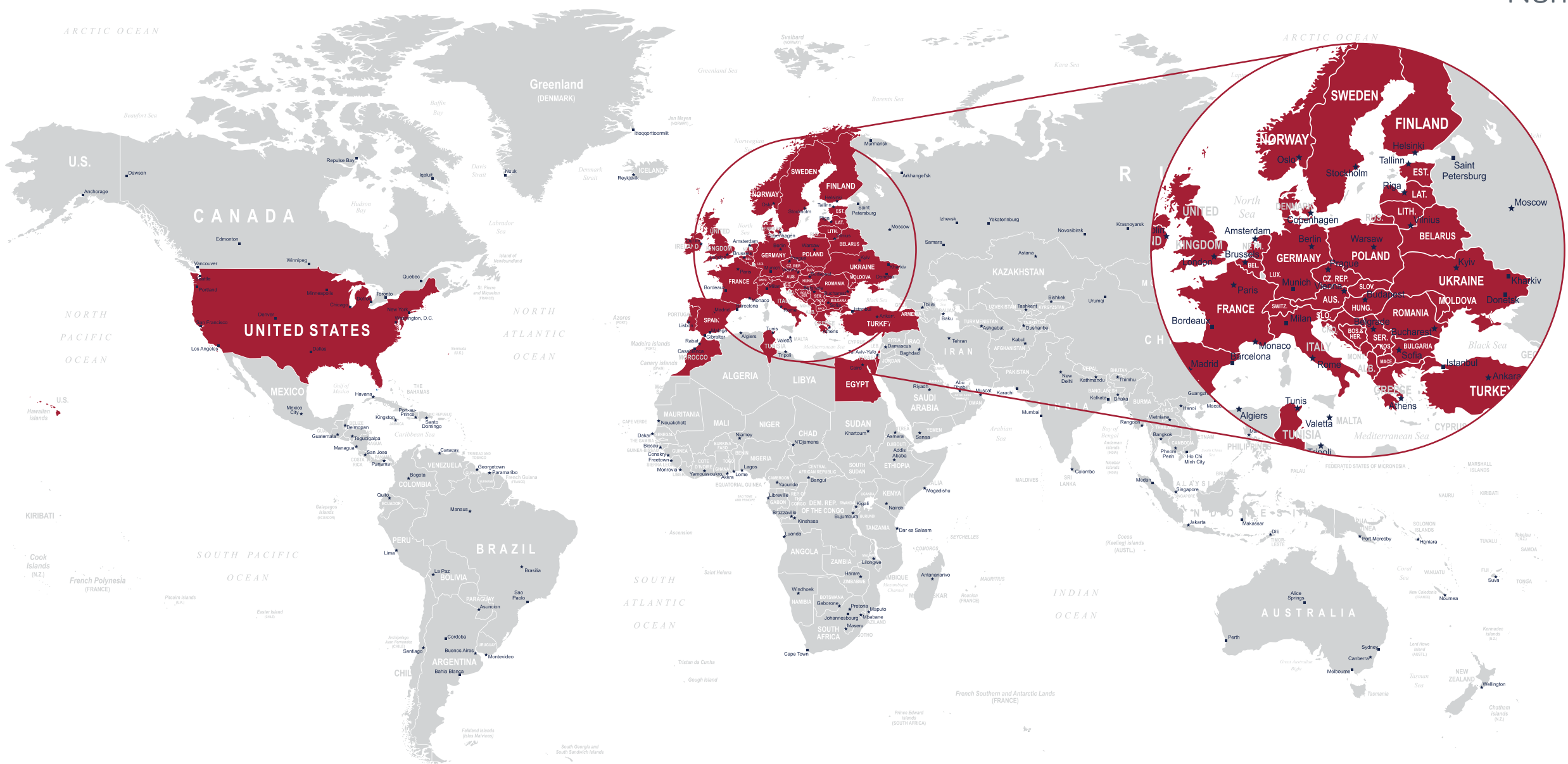
20 minutes drive distance to İzmir,  
Nemport and Aliğa Ports

### *Transit times to Countries*

- Greece / 2 days
- Hungary / 5 days
- Italy / 6 days
- Austria / 7 days
- Germany / 7 days
- Netherlands / 7 days
- Poland / 7 days
- Russia / 11 days

### *Transit times to Ports*

- Israel (Ashdod) / 2 days
- France (Le Havre) / 7 days
- Spain (Valencia) / 8 days
- Morocco (Casablanca) / 8 days
- Tunisia (Sfax / Sousse) / 8 days
- England (Felixstowe) / 10 days
- Ireland (Dublin) / 17 days
- United States (New York) / 20 days





# COMPETITIVE **ADVANTAGES**

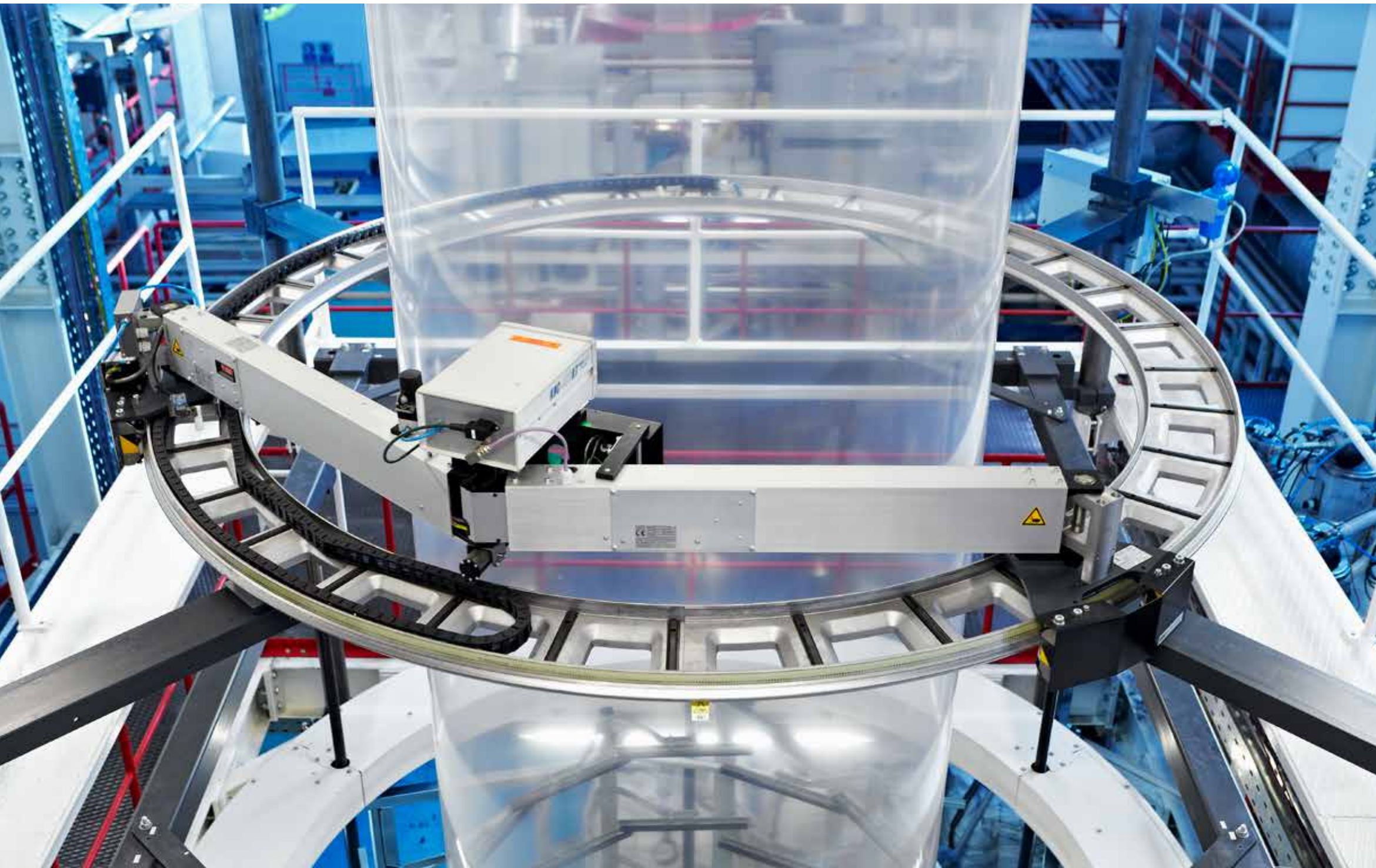
## **Production Technologies**

- ✓ 44.000 tons production capacity with 8 European top-brand PE blown film extrusion lines
- ✓ High-tech co-extrusion lines / 6 from Windmoeller & Hoelscher, 2 from Macchi
- ✓ Tailor made production
- ✓ Ability of dosing 16 different polymers and additives in 3 layers
- ✓ Automatic profile control system
- ✓ Optical Control System (OCS)
- ✓ Thickness range from 20  $\mu$  up to 200  $\mu$ , Width up to 2.600 mm
- ✓ Process traceability of 120 different production parameters
- ✓ Climatized production area





## COMPETITIVE **ADVANTAGES**



### **Tailor - Made Solutions**

COF value

Stiffness

Hot tack performance

Sealing performance

Tear performance

Anti-Fog effect

Anti-Static property

Dart drop resistance

High/Low haze

High/Low gloss



# QUALITY AND *FOOD SAFETY*

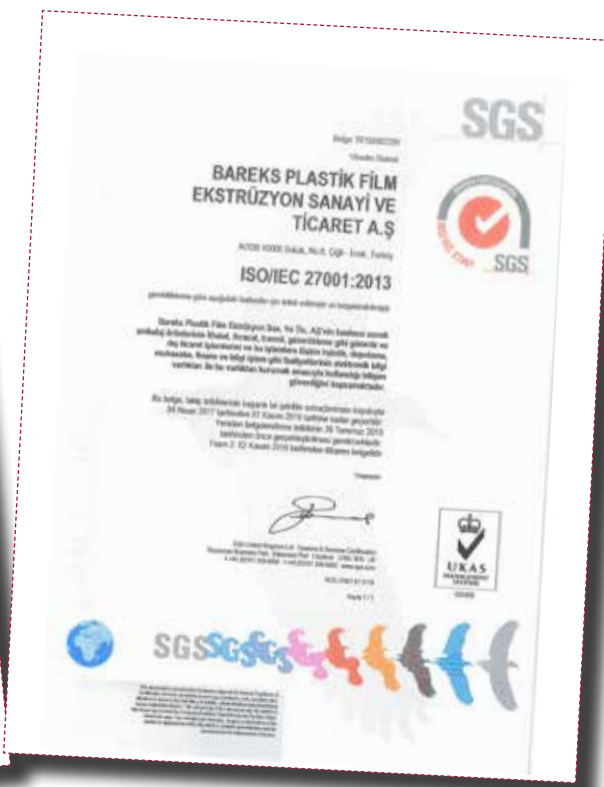
BRC-IOP (British Retailers Consortium) Version 5 certificate

ISO 9001:2015 certificate

ISO 14001:2015 cerificate

ISO 27001:2013 certificate

Sedex membership (B Group)





## R&D AND Q&C *CAPABILITIES*

- ✓ Heat-seal measurement
- ✓ Coefficient of friction
- ✓ Tear resistance
- ✓ Tensile strength
- ✓ Opacity measurement
- ✓ Gloss measurement
- ✓ Time and heat controlled digital oven
- ✓ Oxygen transmission rate (OTR)
- ✓ Water vapor transmission rate (WVTR)
- ✓ Fourier transform infrared spectroscopy (FTIR)
- ✓ Differential scanning calorimetry (DSC)
- ✓ Hot-tack measurement
- ✓ Haze measurement





# RAW *MATERIALS*



Being a good solution partner requires cooperating with good solution partners. Bareks uses the best quality, reliable and sustainable raw materials in the production lines.

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

## **ADDITIVES**

Antiblock / Antifog / Antistatic

/ Non Migratory Slip

/ Processing Aid / Plastomers

/ Bio-degradable / Masterbatches

/ Ionomers / Polypropylene / Oxo-degradable



# "AWARD FOR ***TPM EXCELLENCE***"

We have been  
awarded by JIPM for  
***"TPM Excellence"***  
in 2017.



# PRODUCT ***PORTFOLIO***



***Multi - Purpose*** Applications

***Pet Food*** Applications

***Frozen Food*** Applications

***Peelable*** Applications

***Lidding Film*** Applications

***Paperlike*** Applications

***Lap Seal*** Applications

***Easy Tear*** Applications

***Anti-Fog*** Applications

***Bread Bag*** Applications

***Wet Wipes*** Applications

***Sanitary & Hygiene*** Applications

***Cereal*** Applications

***Colour Pigmented*** Applications

***Unprinted PET/PE*** Applications

***Oxo / Bio - Degradable*** Applications



# MULTI - PURPOSE APPLICATIONS

Multi-purpose films are preferable for many converters who target to **use a single for more than one application.**

Bareks; with the years of experience and know-how, offers always "The One" by working closely with customers based on **"Tailor Made"** approach.

Bareks provides solutions for commonly known Multi-purpose application areas in the market such as **Coffee, Dry & Fresh Foods, None Barrier Cheese Applications, Day Pack, Granulated & Powder Products, Liquid Products, High COF – Low COF Films.**

Following properties can be adjusted upon demand for Multi-purpose applications;

- ✓ **Sealing strength**
- ✓ **Low seal initiation temperature**
- ✓ **Hot-tack performance**
- ✓ **Stiffness**
- ✓ **Toughness**
- ✓ **Puncture resistance**
- ✓ **COF (coefficient of friction) value**



# PET FOOD APPLICATIONS

Bareks products for Pet Food applications are highly compatible with **pouch making lines with handle, zipper applications, hooded slider and different lamination structures** such as PET, OPP, PVC, Metallized PET, Metallized OPP, ALU, OPA or Paper.

With the years of experience on developing and producing films for Pet Food market; we customize our films with wide range of properties such as **high puncture resistance, high dart drop features, adjustable stiffness, for high/low speedy - HFFS & VFFS lines and for MD/TD easy tear properties.**



# FROZEN FOOD APPLICATIONS

Frozen food applications require products with the capability of standing to **lower temperatures** as well as commonly sharp edged ingredients.

Bareks provides excellent solutions for Frozen Food Applications **with high crack & puncture resistance.**

Bareks products help frozen food packages (such as fruits, vegetables, sea food) **stay flexible at low temperatures** without cracking while keeping the **durability of the film.**



# PEELABLE APPLICATIONS

Bareks offers perfect solutions for easy peel, burst peel and universal peel applications with **a great benefit to end users.**

Easy peel films offer a great value to the end users as the pack will not get deformed after opening. Their cohesive **PE-PE sealing characteristic provides** a wide availability of **customizing peel strength and sealing in also lower temperatures.**

Burst peel films are **suitable for powder filling** applications that requires also **"Easy Opening"** with adhesive peel mechanism and works perfectly on dusty surfaces / contaminated areas but also keeping **requested peeling force** accordingly.

Universal peel films offer easy peel solutions from PVC, PS, PET and PP trays & their mixtures. They are suitable **for lamination with PET, OPP, PVC, Metallized PET, Metallized OPP, ALU, OPA or Paper.**





# LIDDING FILM APPLICATIONS

By special recipes of Bareks on **universal peelable film** area; the solutions are available for different kinds of **trays including PET, PVC, PS, PP, PE.**

Universal peelable films can have **different peel strenghts upon demand;**

- ✓ Strong peelable features to **PS and PP trays**
- ✓ Good peelable features to **PVC and PET trays**
- ✓ Adjustable peel force for **PET, PVC and aluminium trays**

While opening the structure; Bareks films keep the form of foil as it is, **the foil preventing the deformation** of the structure after opening and **the surface remains smooth.**

Bareks Universal Peelable Films are suitable **for lamination with PET, OPP, PVC, Metallized PET, Metallized OPP, ALU, OPA or Paper.**

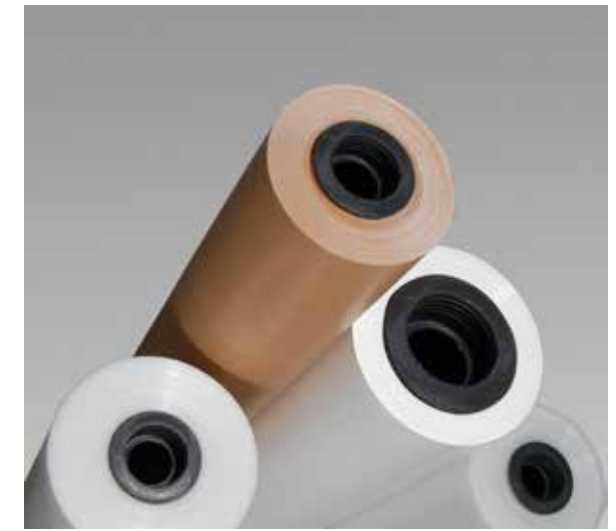


# PAPERLIKE APPLICATIONS

Paper Like is a type of film widely used as an alternative to paper and has the same look and touch of paper.

Bareks has designed **Paper like** films with the years of experience and know-how that gives the product **Paper-Feel** and **Grease / Oil Resistant** properties.

The product has rigidity and the way it folds are quite **similar to paper** but with **better mechanical properties.**





# LAP SEAL FILMS

## APPLICATIONS

Bareks has special products which enable PE film to be **laminated with OPP without requiring any coating process.**

This gives **great benefit to converters** by providing **strong A/B heat sealing** with **high performance, cost advantage and replacement of CPP film usage.**

# EASY TEAR APPLICATIONS

Bareks has proper solutions for all **Easy Tear** applications depending on end-user's production line (**VFFS /HFFS**) and product design requirements.

**Tear resistance** can be adjusted for **MD or TD direction** accordingly.

Bareks **Easy Tear** films are suitable for both surface printing and laminated structures as well as **variable notch designs.**



# **ANTI-FOG** APPLICATIONS

Anti-Fog today is essential for many end products such as **fresh vegetables, salads and sliced meats**, which contain high humidity. Anti-Fog property helps the end product **to be visible from outside**.

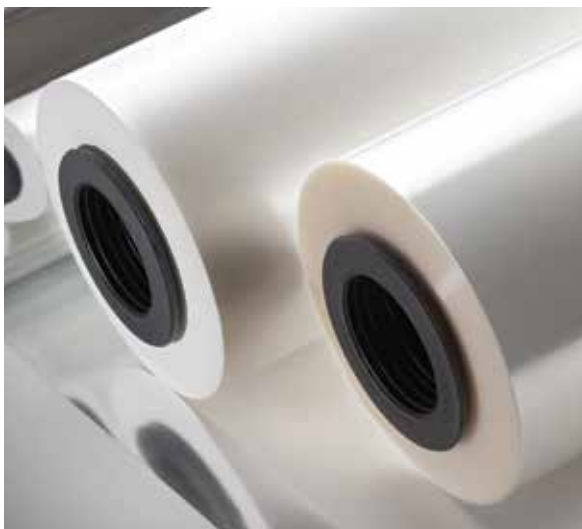
Bareks offers a range of Anti-Fog films that **minimize "moisture and fog"** on the surface of the top film and improve **visibility** of the product accordingly.

**All Bareks products are suitable for Anti-Fog applications upon demand.**

# **BREAD BAG** APPLICATIONS

Bareks produces PE films for Bread Bag applications especially with **high gloss and the high puncture resistances**.

Bareks Bread Bag films are also **suitable for surface printing**.





# WET WIPES APPLICATIONS

Bareks has **comprehensive product range** especially for different contented **Wet Wipe** applications depending on **alcohol or aggressive chemical content** of the end product.

The solutions of Bareks are **highly resistant** to especially high / semi chemical contents for **planned shelf life**.

Various hot-tack and heat-seal temperature properties are available.



# SANITARY & HYGIENE APPLICATIONS

Products of Bareks on sanitary and hygiene applications are available with **easy tear** options (MD/TD) and are **suitable for surface printing** as well.

The application areas of these products are **toilet papers, handkerchiefs, diapers, hygienic pads, paper napkins, paper tissues** and so on.



# CEREAL APPLICATIONS

Bareks produces special films for cereal liner applications that enable the end product to be **Easy Open (Burst Peel) and Milky Look.**

Bareks films guarantee proper sealing to ensure that the product is safe in its box.

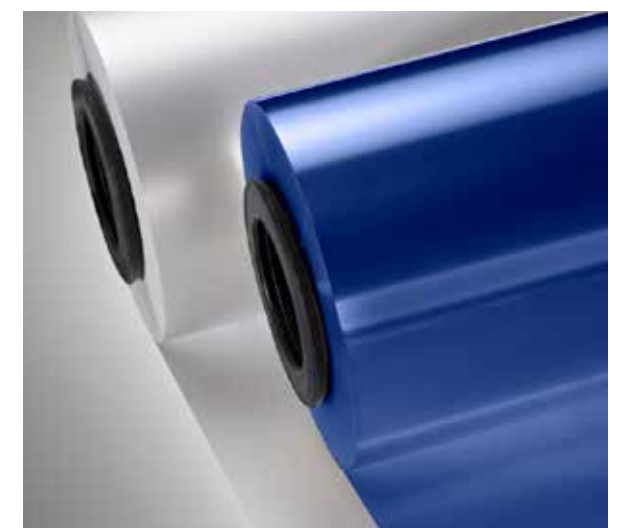
**WVTR value** is adjustable upon demand.



# COLOUR PIGMENTED APPLICATIONS

'Transparent' is not the only solution that Bareks offers among all PE film portfolio. In product range of Bareks; we offer also **different coloured solutions** for different applications.

Bareks has a wide range of different pigmented products such as **White, Blue, Yellow** and many other colours that exist in nature.





# UNPRINTED PET/PE APPLICATIONS

Bareks has **PET/PE laminated** lidding film solutions for **PP, PET, PS, PE trays** with the options of **easy peel, lock seal** and **Anti-Fog** options upon demand.

**PET/PE films** are Available unprinted only and can be provided either as **slitted rolls** or as **jumbo rolls**.



# OXO / BIO - DEGRADABLE APPLICATIONS

Oxo / Bio - Degradable films are produced from conventional petrochemical based sources. Bareks formulations are modified with additives which lead the products to biodegradation process when especially exposed to air & environmental conditions.

Bareks produces Bio - Degradable films using **eco friendly starch** and **corn based raw materials** depending upon the demand of customers.





# SUSTAINABILITY



Bareks undertakes a task in protecting our future by incorporating environment friendly production processes and raw materials.

Within the scope of its social responsibility projects, Bareks is supports ***"Aegean Forest Foundation"***.





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