

High Performance Films

by

 MITSUBISHI CHEMICAL CORPORATION



Innovative Films for Packaging and Industrial Markets

High Performance Films

The MCC Group manufactures and sells a wide variety of film products. They each have their own specific functions designed for both packaging and industrial applications. Our technological developments cover everything from raw materials to films and coatings to meet the needs of our customers.

High performance films are highly added value films with special properties like high gas barrier, moisture permeability, easy peeling, shrink or release properties. We hereby would like to introduce our wide range of high performance films to you.

Overview

DIAMIRON™ is a multilayer co-extruded film for food packaging applications. With the ability to co-extrude five layers and more, this product satisfies our customers' needs with multiple functions such as barrier property, moisture-proofing and sealing. Its durability and thickness is excellent for deep drawing shapes. The preferred applications are ham and sausage packaging.



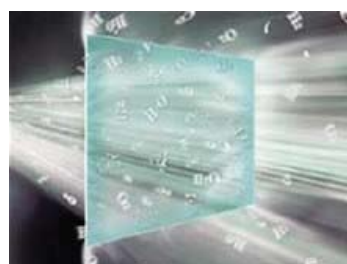
SUPERNYL™ is a biaxially oriented co-extruded gas barrier polyamide film which increases shelf life of many foods. This film also provides good impact strength as well as an excellent heat resistance. SUPERNYL™ is a unique film to be used in many food, pharmaceutical and medical packaging applications.



DXL™ FILM, HISHIPET™, PLABIO™ and HYBEX DL™ are our heat shrinkable films for labels of PET bottles and food packaging. Due to its superior transparency, clarity and gloss, these films provide a very good appearance after shrinkage. Different shrink characteristics are available. Our shrink films protect your products from scratches, water and also UV radiation.



TECHBARRIER™ is a transparent SiOx vacuum coated high barrier film. It reduces water vapor and oxygen penetration and provides stable barrier protection even after retort processing. TECHBARRIER™ can be widely used for packaging materials in medical, pharmaceutical, industrial and food applications.



DIAWRAP™ is a polyolefin, multilayer co-extruded film specifically designed for automatic and manual wrapping machines in order to pack all kind of foods, including fatty foods.



VINYFOIL™ and SUPERFOIL™ for PTP

are mainly used to manufacture press-through packages (PTPs) for solid oral medicines such as pills and capsules. This material is chosen for its moisture proof and light shielding properties which are well-suited for pharmaceutical products.



DIAFIX™ is a PETG (amorphous PET) and PC (polycarbonate) film/sheet which is used instead of Polyvinyl chloride for production of ID cards, bank cards and credit cards.



ECOLOJU™ is made from polylactic acid derived from bio-based resources. This environmentally-friendly film contributes to the reduction of CO₂ emissions.



Benefits at a Glance

■ **DIAMIRON™**

Multilayer co-extruded film

- Good barrier properties
- Thermoformable
- Excellent sealing

■ **SUPERNYL™**

Biaxially oriented gas barrier polyamide film

- Excellent gas barrier properties
- Good impact strength
- High heat resistance

■ **DXL™ FILM, HISHIPET™**

PLABIO™ HYBRES DL™

Heat shrinkable films

- Excellent shrink properties
- Superior transparency, clarity and gloss

■ **TECHBARRIER™**

SiOx vacuum coated high gas barrier film

- Transparent high gas barrier structure
- High barrier after mechanical stress

■ **DIAWRAP™**

Wrapping film for food packaging

- Excellent convertibility
- Very good oxygen, water vapor & CO₂ barrier
- Exceptional sealing performance

■ **VINYFOIL™ and SUPERFOIL™ for PTP**

Moisture-proof PVC sheet for tablet and capsule packaging

- Excellent moisture resistance
- Specific light shielding properties
- Good impact resistance

■ **DIAFIX™**

PC/PET-G film/sheet

- Replacement of PVC

■ **ECOLOJU™**

Bio-based film and sheet

- Environmentally-friendly film
- Reduction of the emission of CO₂

If you are interested in our „High Performance Films“, please contact us!





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The data in this bulletin reflect our state of knowledge at the time this product bulletin was prepared. The purpose is to provide an overview of the characteristics of our products and their potential uses. It neither guarantees specific properties nor the suitability of products in specific applications. The user must observe intellectual property rights, such as patents or trademarks. The quality of our products are covered by the terms of the General Conditions of Sale of MITSUBISHI POLYESTER FILM GmbH.

