Diofan®

SOLVAY

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Diofan® Super B

for Ultra-Barrier Blister Packaging

SPECIALTY POLYMERS

Diofan® Super B

Superior Protection in Ultra Barrier Blisters

The pharmaceutical industry is constantly progressing. Drugs that are both more sophisticated and more sensitive have been developed. These pharmaceuticals require the best protection available in order to maintain efficacy until patients take their medication. Diofan® Super B ultra barrier coatings provide optimum barriers for thermoformed packaging. Films made with Diofan® Super B ultra barrier coatings serve the global pharmaceutical market by combining the key aspects of state-of-the-art barrier packaging materials:

- Performance that delivers long-term drug safety, even in the most demanding climate conditions
- Competitive economics

Several properties contribute to its unique performance profile, including consistent quality, packaging line efficiency with excellent thermoformability, ease of tablet- and blister-to-carton-feeding, and seal integrity at high line speeds.

Diofan® Super B is the ideal material for innovative, sustainable, ultra barrier film solutions.

Key Properties of Diofan® Super B Ultra Barrier Coating Solutions

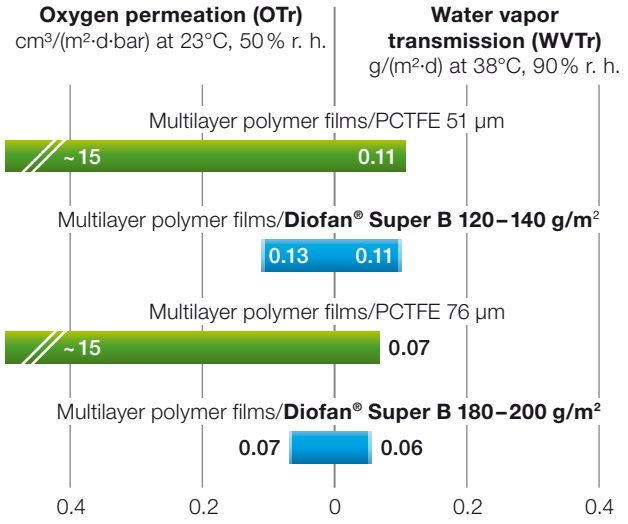
- Excellent water vapor barrier
- Superior barrier to oxygen permeation
- Protection from aroma and flavor loss or pickup
- Prevention of oil and grease permeation
- Good seal integrity (heat, high-frequency or ultrasonic seals)
- Excellent thermoformability, allowing high pill density and smaller pack sizes
- Transparency
- Chemical resistance
- Regulatory compliance for direct food and pharmaceutical contact with regulatory agencies around the world

Diofan® Super B coatings provide excellent barrier to both oxygen and water vapor, while most other barrier polymers offer protection from just one or the other:

Polymer	Intrinsic Water Vapor Barrier	Intrinsic Oxygen Barrier
Diofan® Super B	★★★★★★	★★★★★★
Diofan® PVDC	★★★★★	★★★★★
PVC	★★★	★★★
PET	★★★	★★★
PP	★★★★	★
HDPE	★★★★	★
PA	★★	★★★
COC	★★★★	★
EVOH	★★	★★★★★★ (dry) ★★★ (humid)
PCTFE	★★★★★★	★★★

★ Very low barrier ★★★★★★ Ultra high barrier
Intrinsic barrier: Normalized permeation through 1 µm of polymer film (low permeation = good barrier)

Permeation rates of oxygen and water vapor for different polymer films typically used in ultra barrier pharmaceutical blister packaging.



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