



PERLALUX® – Starflex

Our Starflex barrier films, with up to 120 g/m² PVdC coating weight, satisfy the highest moisture, oxygen and aroma barrier requirements. The polyethylene intermediate layer used in Tristar films has been replaced in our Starflex films by a thermoelast. This allows excellent processing properties, despite the high coating weights.

PERLALUX® – Starflex films have very good handling properties and can be used on all common blister machines and packaging lines.

The base film production and the gentle, multi-layer, five station coating process are both carried out according to GMP standards, with certified manufacturing procedures and validated test procedures. As a result of the choice of a specific base film and of the coating formulation, our Starflex films have excellent thermo-forming properties and

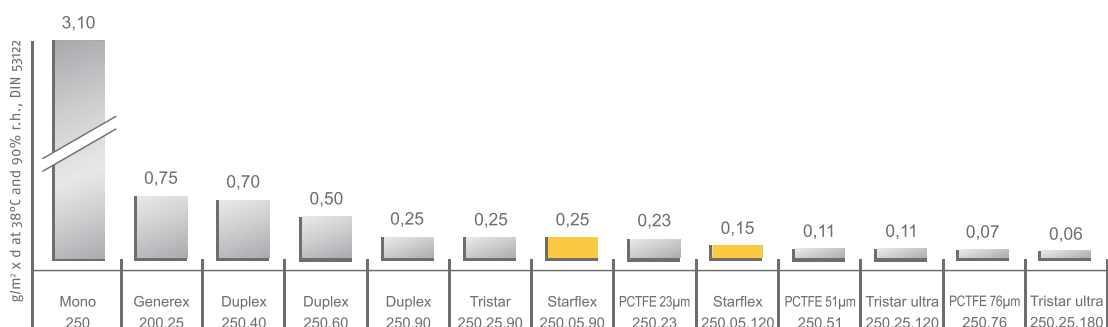


are suitable for standard blister designs to the most complex mould configuration.

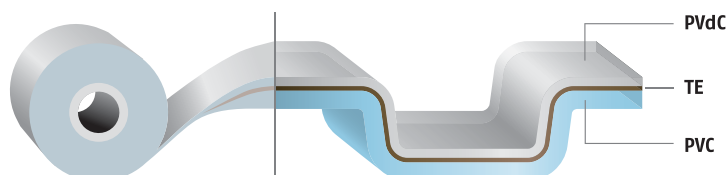
In terms of physical properties, protection and physiological harmlessness, our PERLALUX® – Starflex films comply with all the latest international guidelines, directives and standards for pharmaceutical packaging materials.

PERLALUX® – Starflex is available in transparent, opaque or colours, optional with UV light protection.

Water vapour transmission rate (WVTR)



Cross-section



Technical data for the standard products

Characteristics	250.05.90	250.05.120	Test method
Total weight [g/m ²]	433	463	DIN 53352
Total thickness [μm]	308	326	DIN 53370
Thickness PVC [μm]	250	250	DIN 53370
Coating weight TE [g/m ²]	5	5	DIN 53352
Coating weight PVdC [g/m ²]	90	120	DIN 53352
Bond strength [N/60 mm]	35	35	AAU 9200.304
Shrinkage [%/140°C, 10 min]	-6	-6	DIN 53377
Barrier Values			
WVTR [38°C, 90% r.h.] [g/m ² x d]	0.25	0.15	DIN 53122
O ₂ -Barrier [23°C, 50% r.h.] [cm ³ /m ² x bar x d]	0.60	0.40	ASTM D 3985










Other combinations (PVC gauges, PVdC coating weights) are available.

r.h. = relative humidity

The figures given are reference values for standard executions and correspond to our current knowledge. No liability may be inferred for results that may be obtained in the application of our products.

PERLALUX® – Full Range of Blister Films

International Registrations: FDA, USA (registered DMF No. 10686 and 9072) as well as SFDA (Chinese State Food and Drug Administration) our films comply with all the current international guidelines, directives and standards for pharmaceutical packaging materials.

	Structure	Coating	WVTR Barrier	O ₂ Barrier
PERLALUX® – Mono	 PVC	–	Δ	Δ
PERLALUX® – GenereX	 PVdC PVC	25g/m ² PVdC	ΔΔ	ΔΔΔ
PERLALUX® – Duplex	 PVdC PVC	40g/m ² PVdC 60g/m ² PVdC 90g/m ² PVdC	ΔΔ ΔΔ ΔΔΔ	ΔΔΔ ΔΔΔΔ ΔΔΔΔ
PERLALUX® – Tristar	 PVdC PE PVC	40g/m ² PVdC 60g/m ² PVdC 90g/m ² PVdC	ΔΔ ΔΔ ΔΔΔ	ΔΔΔ ΔΔΔΔ ΔΔΔΔ
PERLALUX® – Starflex	 PVdC TE PVC	90g/m ² PVdC 120g/m ² PVdC	ΔΔΔ ΔΔΔΔ	ΔΔΔΔ ΔΔΔΔΔ
PERLALUX® – Tristar ultra	 PVdC PE PVC	120g/m ² PVdC 180g/m ² PVdC	ΔΔΔΔΔ ΔΔΔΔΔ	ΔΔΔΔΔ ΔΔΔΔΔ
PERLALUX® – PCTFE	 PVC PCTFE	PCTFE 23μm PCTFE 51μm PCTFE 76μm	ΔΔΔΔ ΔΔΔΔΔ ΔΔΔΔΔ	Δ Δ Δ
PERLALUX® – Suppo	 PVC / PE PVC / PVdC / PE	– 40g/m ² PVdC	Δ ΔΔ	Δ ΔΔΔ
PERLALUX® – Liquid	 PE PVdC PVC	40g/m ² PVdC	ΔΔ	ΔΔΔ

Δ low standard
ΔΔ middle standard
ΔΔΔ high standard
ΔΔΔΔ very high standard
ΔΔΔΔΔ extremely high standard

Other types available on request.