



## PERLALUX® – Generex

Our cost-effective alternative to Duplex barrier films. By using a special PVdC dispersion and by systematically applying our multi-layer technology, we can achieve above average WVTR with lower coating weights. They offer protection against moisture, oxygen and aromas.

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

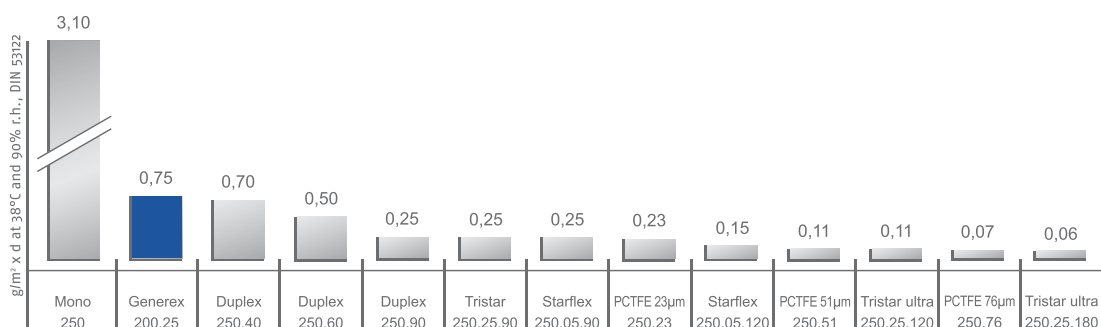
The base film production and the gentle, multi-layer coating process are both carried out according to GMP standards, with certified manufacturing processes and validated test procedures. As a result of the coating formulation, our Generex films have excellent thermo-forming properties and are ideal for a wide range of applications where cost-efficiency is the main concern.



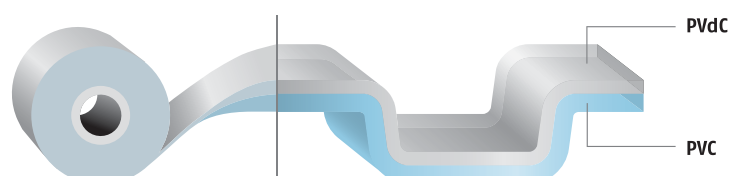
In terms of physical properties, protection and physiological harmlessness, our PERLALUX® – Generex films comply with all the latest international guidelines, directives and standards for pharmaceutical packaging materials.

PERLALUX® – Generex 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	200.25	230.25	250.25	Test method
Total weight [g/m <sup>2</sup> ]	297	338	365	DIN 53352
Total thickness [μm]	215	245	265	DIN 53370
Thickness PVC [μm]	200	230	250	DIN 53370
Coating weight PVdC [g/m <sup>2</sup> ]	25	25	25	DIN 53352
Bond strength [N/60 mm]	35	35	35	AAU 9200.304
Shrinkage [%/140°C, 10 min]	- 6	- 6	- 6	DIN 53377
Barrier Values				
WVTR [38°C, 90% r.h.] [g/m <sup>2</sup> x d]	0.75	0.75	0.75	DIN 53122
O <sub>2</sub> -Barrier [23°C, 50% r.h.] [cm <sup>3</sup> /m <sup>2</sup> x bar x d]	1.10	1.10	1.10	ASTM D 3985










These standard executions are available with homopolymer and copolymer base films.

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 <sub>2</sub> Barrier
PERLALUX® – Mono	 PVC	–	Δ	Δ
PERLALUX® – Generex	 PVdC PVC	25g/m <sup>2</sup> PVdC	ΔΔ	ΔΔΔ
PERLALUX® – Duplex	 PVdC PVC	40g/m <sup>2</sup> PVdC 60g/m <sup>2</sup> PVdC 90g/m <sup>2</sup> PVdC	ΔΔ ΔΔ ΔΔΔ	ΔΔΔ ΔΔΔΔ ΔΔΔΔ
PERLALUX® – Tristar	 PVdC PE PVC	40g/m <sup>2</sup> PVdC 60g/m <sup>2</sup> PVdC 90g/m <sup>2</sup> PVdC	ΔΔ ΔΔ ΔΔΔ	ΔΔΔ ΔΔΔΔ ΔΔΔΔ
PERLALUX® – Starflex	 PVdC TE PVC	90g/m <sup>2</sup> PVdC 120g/m <sup>2</sup> PVdC	ΔΔΔ ΔΔΔΔ	ΔΔΔΔ ΔΔΔΔΔ
PERLALUX® – Tristar ultra	 PVdC PE PVC	120g/m <sup>2</sup> PVdC 180g/m <sup>2</sup> 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 <sup>2</sup> PVdC	Δ ΔΔ	Δ ΔΔΔ
PERLALUX® – Liquid	 PE PVdC PVC	40g/m <sup>2</sup> 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.