

Technical Data Sheet

Pharma
Packaging
Innovations

Bilcare
Research

BlisBa TX 40

Transparent rigid PVC film, good thermoformability. Film for pharmaceutical push-through-packs.

Improved barrier by PVDC-coating.

SAP code 010B2

Colours of base film transparent clear (colour 0015), other transparent colours on request

Standard thickness of PVC film	200 μm	250 μm
Thickness of composite film	249 μm	299 μm
Grammage	339 g/m^2	408 g/m^2
Yield	2,95 m^2/kg	2,45 m^2/kg

Properties	Test Method	Value	Unit
Thickness tolerance of PVC film	DIN 53370	± 5	%
PVDC coating	Bilcare PV 33	40 ± 2	g / m^2
	calculated	$24 \pm 1,2$	μm
PE interlayer	Bilcare PV 64	25 ± 5	μm
Tensile impact strength of new film	DIN EN ISO 8256 - A - 3	> 350	kJ / m^2
Vicat softening temperature of base film	DIN EN ISO 306 VST B50 laminated specimen	77 ± 2	$^{\circ}\text{C}$
Dimensional stability (oven, hot air)	DIN 53377 140 $^{\circ}\text{C}$ /10 min	MD / TD	max
Thickness of base film $\leq 210 \mu\text{m}$		- 8 / + 2	%
Thickness of base film $> 210 \mu\text{m}$		- 6 / + 2	%
Water vapour transmission rate	ASTM - F 1249	0,65	$\text{g} / \text{m}^2\text{d}$
Guide value	38 $^{\circ}\text{C}$ / 90 % r.h.		
Oxygen transmission rate	ASTM - D 3985	1,2	$\text{cm}^3 / \text{m}^2\text{d}$
Guide value	23 $^{\circ}\text{C}$ / 50 % r.h.		

Complies with the requirements of the current version of European Pharmacopeia and with EU Regulation (EC) No. 10/2011 according to article 16 and 22 and amendments, with the relevant U.S. Code of Federal Regulations CFR 21 and with U.S. Pharmacopeia where applicable, with directive 94/62/EC and with U.S. CONEG Regulations. Formulation is filed with FDA, DMF 1081 Type III. Production and quality controls according to ISO 15378.

The film should be stored in its original packaging at room temperature below 30 $^{\circ}\text{C}$ / 86 $^{\circ}\text{F}$ not directly exposed to sunlight and humidity and should be used within 24 months. Ideal storage conditions: 18 - 24 $^{\circ}\text{C}$ (64 - 75 $^{\circ}\text{F}$), 40 - 60 % r.h. After transport and storage at cold temperature the film should be conditioned at minimum 24 hours to room temperature.

All information provided in this data sheet is based on our current best knowledge. The values presented in this data sheet are typical values and are not to be interpreted as product specifications. Changes in this datasheet are possible at any time and are not submitted to an automatic update to customers.