

## USB (Ultra Smooth Banner) 12 / 14 oz

Dated: 08/11/05

### Description:

USB is a smooth, scrim-reinforced banner material that is designed for double-side printing for indoor applications. A built-in black layer provides for greater opacity, preventing images from showing through to the other side. This product is designed for piezo digital printing and screen printing for indoor and outdoor applications.

### Features:

- Matte finish & smoothness on both sides
- Specially designed for screen printing
- Indoor applications
- NFPA-701 Fire Retardance Certified (USB 12 oz)

### Compatible Products

- VIZUONCAL 4000 & 6000 (Opaque)
- VIZUONCAST cut vinyl (Opaque)

### Compatible Printers

- Vutek
- Mutoh
- Arizona
- Mimaki JV Series.
- Other solvent inkjet printers.

### Characteristics:

Characteristic		Description
Structure	Coating Type	PVC (Option: Anti-mildew, Anti-UV, Flame retardant) USB 12-701 meet NFPA-701
	Fabric	Polyester
	Weight	12oz, 14oz
Roll Size		24" ~ 74"(width) × 50 yds ~ 300 yds

### Durability:

Durability is based on field experience and exposure tests.

Durability is 1 year when properly processed and applied (unprinted film vertical exposure).

LG Chem does not warrant banner materials for the following.

- Seamed in order to make a larger banner
- Ripping, tearing, or damage due to the effects of the weather or the environment.

**CAUTION:** The weather resistance of the film that is laminated to the top of BANNUX or the ink used in printing may contribute to the durability of the end-products. Therefore, our warranty is just for undecorated BANNUX.

### Maintenance

Use a cleaner used for high quality printed surfaces.

1. The cleaner must be wet, non-abrasive, and without strong solvents or alcohol. (Solvent and alcohol can damage banner materials and printed images.)
2. The cleaner must not be either strongly acidic or alkaline (pH value 3.0~11.0).

### Shelf Life

- Keep in a clean, dry area
- Process the banner material within 1 year of factory shipment

- Storage Condition: Free from excessive moisture, temperature, direct sunlight (20° x 50% R.H)
- Keep away from chemicals such as oil and wax

**Printing on Materials**

- VIZUON BANNUX UGS (UMS) is designed for digital printing with solvent inkjet inks.
- To get the best print results, use the best quality of inks that the printer makers recommend.
- The printer operator should work with the graphic designer or color conversion operator to prevent possible complications or color issues.
- Do not exceed total ink coverage of 250% for VIZUON BANNUX materials.  
Too high of an ink level on banner materials may result in media characteristic changes, inadequate drying, and/or poor print quality.
- Printing should be done under room temperature.
- Too much tension and force may damage the material; therefore, keep the tension under 7 kgf.

**Physical Properties**

**USB 12 oz**

Properties	Test Method	Unit	ITEM	Test Method	Unit	ITEM
Base Fabric	DIN 60001		Polyester			Polyester
Thickness	DIN 53353	mm	0.29	FS 5401	mm	0.29
Total Weight	DIN 53352	gr/m <sup>2</sup>	407	FS 5400	oz/yd <sup>2</sup>	12
Tensile Strength	DIN 53858	N/2.5cm	441 / 392	FS 5100	lbs/in.	100 / 88
Tear Strength	DIN 53356	N	20 / 15	FS 5134	lbs	4.5 / 3.3
Width	Max 74"					
Remark	AM, UV treated / FR optional USB 12oz-701 meets NFPA-701 test requirements.					

**USB 14 oz**

Properties	Test Method	Unit	ITEM	Test Method	Unit	ITEM
Base Fabric	DIN 60001		Polyester			Polyester
Thickness	DIN 53353	mm	0.35	FS 5401	mm	0.35
Total Weight	DIN 53352	gr/m <sup>2</sup>	470	FS 5400	oz/yd <sup>2</sup>	14
Tensile Strength	DIN 53858	N/2.5cm	343 / 343	FS 5100	lbs/in.	77 / 77
Tear Strength	DIN 53356	N	30 / 30	FS 5134	lbs	7 / 7
Width	Max 74"					
Remark	AM, UV treated / FR optional					

**Warranty:**

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