

## Technical data sheet

### evguard<sup>®</sup> MPE

Special high performance multi-layer polyester insert for heavy impacts and printed laminated safety glass applications

#### ↓ ● Stability

Ball drop test	DIN EN 356	44.2.MPE(200)	P2A
		44.2.MPE(600)	P4A
Blackwater Testing	TAS 201-94 (Large Missile)	55.4.MPE(800)	<i>approved</i>
	TAS 203-94 @ ±120 psf (Cycling)	55.4.MPE(800)	<i>approved</i>
American National Standard Institute	ANSI Z97.1		<i>approved</i>
Sound reduction	DIN EN ISO 10140-2	44.2.MPE(200)	37 db

#### 🔧 Processing

Minimum temperature	105 °C (220 F)
Maximum temperature	140 °C (284 F)
Production process	Vacuum lamination

#### 📏 Dimensions & Packaging

Thickness	0.2 mm
	0.4 mm
	0.6 mm
Width	1,250 mm
Sheet length max.*	1,400 mm
Reel length	0.2 mm–480 m
	0.4 mm–240 m
	0.6 mm–120 m
Reel core	76 mm cardboard core
Packaging of reels	on a pallet
Packaging of sheets	1 stack (ca. 500 kg) on a pallet

\* evguard<sup>®</sup> MPE is available in reels and sheets

evguard® is a thermosetting, ethylene-vinyl acetate based, interlayer for manufacture of laminated safety, security & design glass. The stability and strength of the laminate can be significantly increased in combination with our MPE.

## ↔ Properties

Composition	PET copolyester, special formulation
Glass transition point	~110 °C
Colour	colourless transparent glossy
Density	≈ 1.2 g/cm <sup>3</sup>
Shrinkage	≤ 5 % (140 °C @ 10 minutes, depending on thickness)



## Storage recommendation

Temperature	< 30 °C (85 F)
Humidity	< 80 %
Shelf life	use by 12 months after date of production Opened rolls and stacks have to be protected against direct sunlight and dust.



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### Disclaimer

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