

## Technical data sheet

# evguard<sup>®</sup>

EVA interlayer for laminated safety, security & design glass

### ↓ ● Stability

Ball drop test	DIN 52338	44.2	P1A
	DIN EN 356	44.3	
Pendulum test	DIN EN 12600	44.1	1B1
Resistance against heat, humidity and UV radiation	DIN EN ISO 12543-4	44.1	<i>approved</i>
DiBt – Deutsches Institut für Bautechnik	AbZ (national technical approval)		<i>approved</i>
American National Standard Institute	ANSI Z97.1		<i>approved</i>
Sound reduction	DIN EN ISO 10140-2	44.2	37 db

### 🔧 Processing

Minimum temperature	105 °C (220 F)
Maximum temperature	160 °C (320 F)
Production process	Vacuum / Nip-roll – Autoclave lamination

### ● Dimensions & Packaging

Thickness	min. 0.2 mm, max. 1.14 mm	Customized dimensions and packaging on individual request
Width	max. 2,300 mm	
Length	0.38 mm – 120 m	
	0.76 mm – 60 m	
	1.14 mm – 40 m	
Core	76 mm cardboard core	
Packaging	in cardboard boxes	

evguard® is a thermosetting, ethylene-vinyl acetate based, interlayer for manufacture of laminated safety, security & design glass.

↔ Properties	Test method	non cross-linked		cross-linked*	
Density	ISO 1183	0.95–0.97 g/cm <sup>3</sup>			
Optical appearance		colourless translucent		colourless transparent	
Tensile strength	ISO 527-3	MD	> 5 N/mm <sup>2</sup>	MD	> 20 N/mm <sup>2</sup>
		CD	> 5 N/mm <sup>2</sup>	CD	> 20 N/mm <sup>2</sup>
Elongation at break	ISO 527-3	MD	> 700 %	MD	> 400 %
		CD	> 700 %	CD	> 400 %
Hardness	DIN 53505	> 65 Shore A			
Thermal expansion coefficient	DIN 52328	1–10 <sup>-4</sup> K <sup>-1</sup>			
Refractive Index		1.48			
Light transmission (400–750 nm)		> 85 %			
UV cut-off		365 nm			

\* values depend on appropriate lamination



### Storage recommendation

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



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