

Technical data sheet

evguard[®] UV-380

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> |
| 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 ³ | |
| Optical appearance | | colourless translucent | | colourless transparent | |
| Tensile strength | ISO 527-3 | MD | > 5 N/mm ² | MD | > 20 N/mm ² |
| | | CD | > 5 N/mm ² | CD | > 20 N/mm ² |
| 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 ⁻⁴ K ⁻¹ | |
| Refractive Index | | | | 1.48 | |
| Light transmission (400–750 nm) | | | | > 85 % | |
| UV cut-off | | | | 380 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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Disclaimer

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