

SIMONA



SIMONA® SIMOLUX

Transparent PETG sheets

SIMONA® SIMOLUX – The essence of eye-catching design

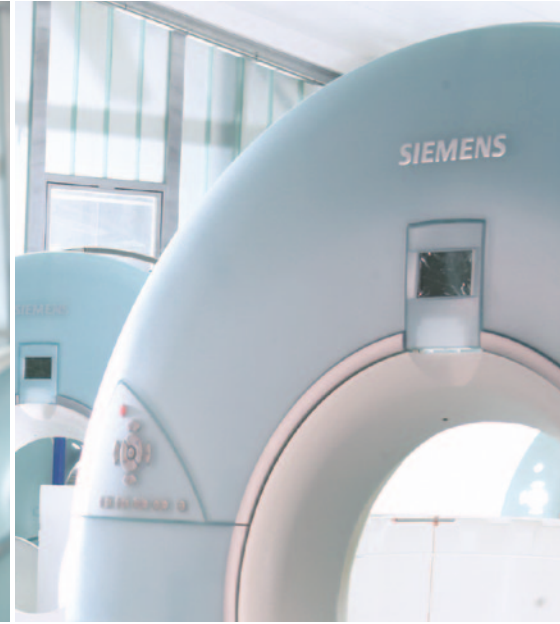


Photo: Ernst Hombach GmbH & Co. KG

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SIMONA® SIMOLUX, the transparent, break-proof copolyester sheet made of PETG, is a true all-rounder. Combining high impact strength and excellent thermoforming properties with low flammability, **SIMOLUX** is the perfect material for a variety of applications.

SIMONA® SIMOLUX is a low-flammability product in accordance with DIN 4102 B1; it is available in a transparent, opal, satined or embossed design. **SIMONA® SIMOLUX-F** offers a special low flammability (DIN 4102 B1 – non-burning droplets).

Versatile use

- Sales displays
- Illuminated signs
- Exhibition design
- Ceiling panels
- Machine covers
- Orthopaedics
- Engineering and design
- and more

Excellent properties


- Low flammability (DIN 4102 B1)
- Crystal clear and ultra-transparent
- Excellent printability
- Dyeable
- Highly resistant to chemicals
- Physiologically safe
- Impact strength and fracture resistance
- Excellent thermoforming properties

Processing versatility

- Sawing
- Bolting
- Drilling
- Milling
- Deep-drawing
- Laser cutting
- Water-jet cutting
- Glueing
- Hot forming
- Cold curving
- Printing
- Edge polishing
- Die-cutting
- Cutting
- Welding
- Backing/Laminating

SIMONA® SIMOLUX Product range

Product range

		SIMONA® SIMOLUX transparent	SIMONA® SIMOLUX opal
	400 x 400	10, 12, 15, 20	—
	1208 x 804	6, 10, 12, 15, 20	—
	2000 x 1000	1 to 20	2 to 4
	2440 x 1220	1 to 12	2 to 4
	3050 x 1220	1 to 12	2 to 4
	3050 x 1530	1,5 to 12	2 to 4
	3050 x 2030	2 to 10	2 to 4
	Colours	transparent	opal

Dimensions in mm.

Sheets in various sizes and thicknesses available from stock. Other thicknesses available on request.

Other products: SIMOLUX embossed, SIMOLUX satined and SIMOLUX-F.

Please contact our sales department for further details.



+ **Crystal clear**

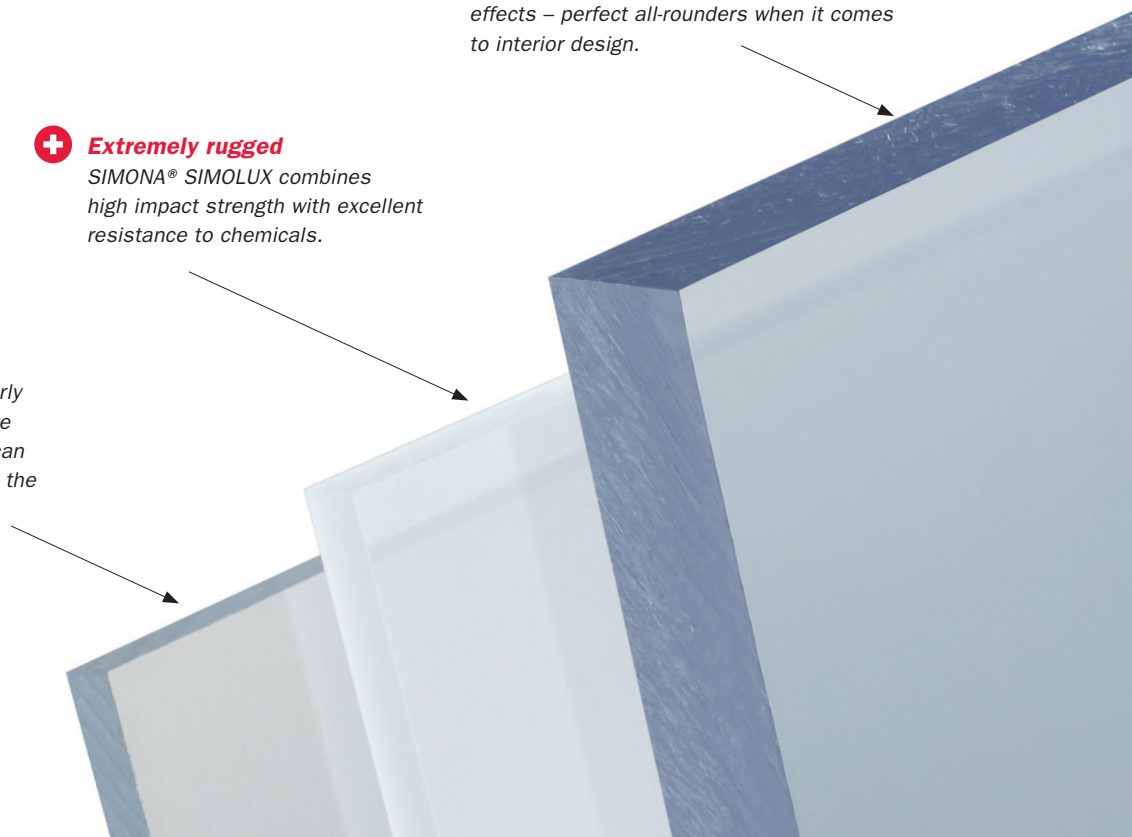
SIMONA® SIMOLUX sheets have a sophisticated appearance and a brilliant surface. On request, we can also make specific colour adjustments. The sheets are dyeable and can be used to create special lighting effects – perfect all-rounders when it comes to interior design.

+ **Extremely rugged**

SIMONA® SIMOLUX combines high impact strength with excellent resistance to chemicals.

+ **Efficient processing**

SIMONA® SIMOLUX is particularly easy to process. The sheets are suitable for deep-drawing and can generally be processed without the need for pre-drying.



SIMONA® SIMOLUX Material specifications

Material specifications	SIMONA® SIMOLUX transparent	SIMONA® SIMOLUX opal
Density, g/cm ³	1.270	1.280
Yield stress, MPa	52	52
Elongation at yield, %	5	5
Elongation at break, %	80	80
Tensile modulus of elasticity, MPa	1900	1900
Notched impact strength, kJ/m ²	10	7
Shore hardness, D	78	78
Mean coefficient of linear thermal expansion, K ⁻¹	$0.7 \cdot 10^{-4}$	$0.7 \cdot 10^{-4}$
Dielectric strength, kV/mm	16	16
Specific surface resistance, Ohm	10 ¹⁴	10 ¹⁴
Physiologically safe as per BfR, EU regulations and FDA	yes	no
Light transmission, %	92	25
Fire behaviour, DIN 4102 with B1 Test Certificate	low flammability 1 to 8 mm	low flammability 3 to 8 mm
Temperature range, °C	-40 to +65	-40 to +65

As one of the world's leading manufacturers of semi-finished thermoplastics and finished parts, SIMONA offers you best-in-class product quality and exceptional engineering expertise.

Our Quality and Environmental Management system is certified in accordance with DIN EN ISO 9001 : 2008 and DIN EN ISO 14001 : 2005.



With the compliments of:

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