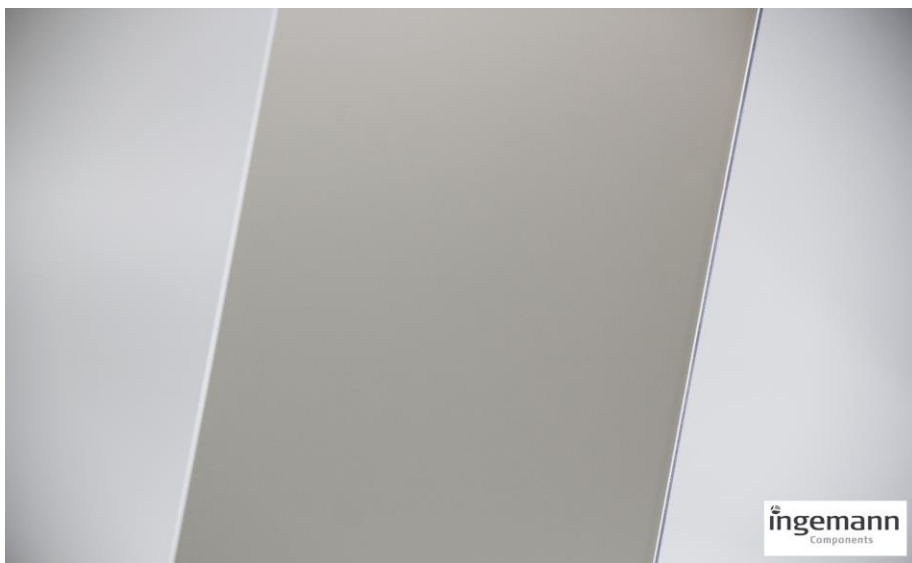


I-Reflect 0.23 with and without adhesive PET



Description:

The I-Reflect comes in two versions, one with and one without adhesive on the back. This makes it easier to apply to wall lamp or small luminaire.

Application:

A reflector works to increase the brightness of the lamp by directing the light in the correct direction. This is often the case with tubes where the light shines uniformly. By applying this sheet, the light becomes directed and brightness increases significantly.

Service information:

For samples, pricing and delivery please contact us at:

+45 4618 6644

Email:

sales@ingemanncomponents.com

Looking for a solution with this product, click [here](#).

Product data	
Standard Material	PET
Available size:	Rectangle up to 1260mm x Roll
Thickness	0.23 mm $\pm 10\%$
Refractive Index	1.575
Reflectance	98.5% $\pm 1\%$
Diffusivity	94% $\pm 1\%$
Temperature Range	-40°C to +85°C

I-REFLECT 0.23

High reflecting PET sheet that provides fantastic reflection of the light while making it diffuse.

98.5% $\pm 1\%$ Reflection
0.23mm thickness
Max temp +85°C
Custom sizes available

Ingemann Components
Tingbjergvej 6
4632 Bjæverskov
Denmark
www.ingemanncomponents.com

Technical Specs – I-Reflect 0.23

I-REFLECT 0.23

Properties	0.23 mm	Notes
Physical –		
Density	1.38 g/cm ³	
Rockwell Hardness	112	
Optical –		
Transmittance	N/A	
Refractive index	1.575	
Reflection	98.5% ± 1%	
Mechanical –		
Tensile strength	75 MPa	
Thermal –		
Long term temp.	–40°C to +85°C	
Melting temp.	250°C	
.		
Surface	Glossy on both sides.	
UV stable	Yes	
Dirt depreciation	Anti-static treatment	
Chemical Resistance		See next page
Thermal expansion	$7 K^{-1} \times 10^{-5}$	
Glow wire test IEC 60695-2-12	N/A	
Fire Rating	N/A	

Processing options at Ingemann Components

Processing	Yes/No	Notes
Milling	No	
CNC Knife	Yes	Recommended processing
Laser Cutting	Yes	
Saw	No	
Die Cut	Yes	
Thermo-forming	No	
Print	Yes	

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Chemical Resistances

I-REFLECT 0.23

Chemical resistance at 20°C			
Acetone	-	Ethyl acetate	-
Ammonia	-	Glycerin	+
Amyl Alcohol	o	Fuel oil	+
Benzene, free from aromatics	-	Hexane	+
Benzole	na	Isopropanol	na
Boric Acid	na	Coffee	+
Butanol	+	Caustic potash solution 50%	na
Chlorinated hydro-carbon	na	Ketone	-
Chloroform	-	Methylene chloride	-
Chlorinated water/air	na	Lactic acid 10%	na
Dibutyl phthalate	+	Mineral oil	+
Diocetyl phthalate	na	Caustic soda	na
Glacial acetic acid	na	Nitrocellulose lacquer	na
Acetic essence	-	Oxalic acid	+
Aqueous acetic acid	-	Wax	+
Ethanol	+	Hydrogen peroxide	+
Acidity of wine	+	Hydrochloric acid conc. 35%	-
Xylene	+	Sodium carbonate	+
Paraffin	+	Salad vinegar	+
Petroleum ether	+	Stearic Acid	+
Phosphoric acid 10%	o	Tea	+
Sulphuric acid 10%	o	Turpentine	+
Nitric acid 10%	o	Toluene	+
Hydrochloric acid 10%	o	Potassium Hydroxide	-

- + Resistant
- o Limited resistance
- Not Resistant
- na Not available

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