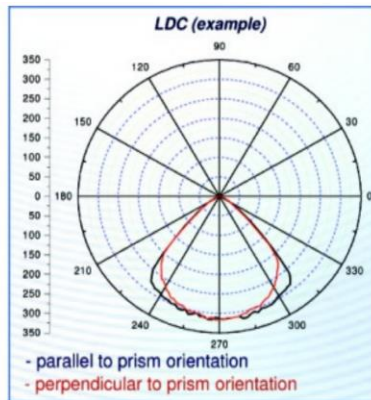
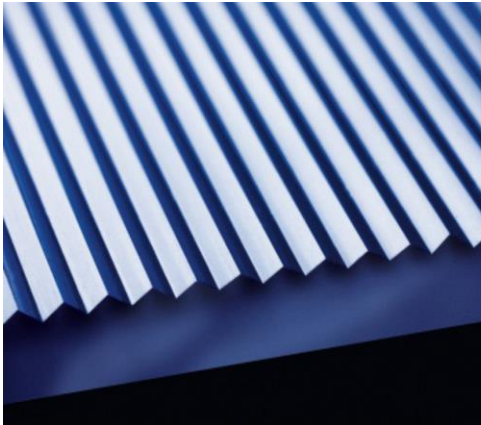


Ingemann Components

Linear De-Glaring Prism

Jungbecker LDP



Description:

LDP or Linear De-Glaring Prism, is formed like a triangle wave. This clear prism sheet impresses its optimized ability to de-glare lamps on both main axis.

Application:

LDP is designed for flat lamp geometries in de-glaring luminaire designs.

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	PMMA clear acrylic: LDP (PC on request)
Available size	Rectangle up to 1500 x 300 mm (up to 1200 x 400 mm upon request). Square up to 600 x 600 mm Customized, edge profile treatment (milling)
Thickness	Standard 3mm +0.2 to +0.5mm (2.5-5mm upon request)
Prism size	3mm, variable prism sizes (1 - 2.5mm) upon request
Refractive Index	1.491
Transmittance	92% (acrylic clear)
Temperature Range	-40°C to +80°C

1

*Datasheet made on behalf of producer's information.
Ingemann Components A/S cannot guarantee the authenticity of the given data.

LDP

High transparent microstructured triangle wave prisms that provides de-glaring.

92% Transmission
2.5-5mm thickness
Max temp +80°C
Custom sizes available

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

**ingemann**
Components

Technical Specs - LDP

Properties	3 mm	Notes
Physical -		
Density	1.18 g/cm ³	
Rockwell Hardness	113	
Optical -		
Transmittance	92%	
Refractive index	1.491	
Reflection	N/A	
Mechanical -		
Tensile strength	69.9 MPa	
Thermal -		
Long term temp.	-40°C to +80°C	
Short term temp.	95°C	
Melting temp.	130°C	
Surface	Triangle wave structure on one side, glossy on other side	
UV stable	Yes	
Dirt depreciation	Anti-static treatment	
Chemical Resistance		See next page
Thermal expansion	7 K ⁻¹ x10 ⁻⁵	
Glow wire test IEC 60695-2-12	N/A	
Fire Rating	PMMA	Class B2 (DIN 4102)

Processing options at Ingemann Components

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

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



Chemical Resistances

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

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

LDP

At 20°C PMMA is resistant to hydrocarbons, aromatic free carburetor fuel, mineral oils, vegetable- and animal fats and oils, water, aqueous salt solutions, diluted acids and alkalis. Aromatic hydrocarbons and hydrogen chlorides, ester, ether and ketones attack and degrade PMMA.

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

The logo for Ingemann Components, featuring the word 'ingemann' in a bold, lowercase sans-serif font with a small circular icon above the 'i', and the word 'Components' in a smaller, uppercase sans-serif font below it.