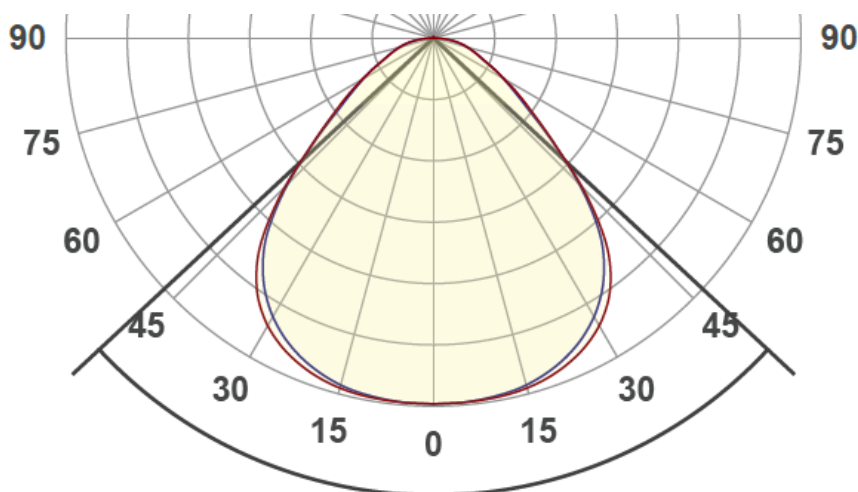


AGP

Anti Glare Prism



Description:

AGP Sheet features inverse hexagonal pyramid prisms to achieve high angle brightness control, excellent lamp obscuration and high transmittance. AGP is made from PMMA in 2mm and 3mm thickness.

Application:

The AGP is intended for applications in which high angle brightness cannot be tolerated and fulfils the UGR <19 requirements in most applications.

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](#).

AGP

High transparent microstructured pyramids that provides excellent de-glaring effect and high transmittance.

PMMA
92% Transmission
2-3mm thickness
Max temp +80°C

Standard sizes
1200x1200mm
1200x1850mm
1200x3050mm

Product data	
Standard Material	PMMA – clear acrylic
Available size	1200x1200mm 1200x1850mm 1200x3050mm
Thickness	2mm ± 0.2mm 3mm + 0,3mm
Pyramid width	1.5 mm
Refractive Index	1.491 for PMMA
Transmittance	92%
Temperature Range	-40°C to +80°C

Ingemann Components
Tingbjergvej 6
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Denmark

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Components

Technical Specs - AGP

Properties	3 mm PMMA PC	Notes
Physical -		
Density	PMMA: $1.18 \frac{g}{cm^3}$ PC: $1.2 \frac{g}{cm^3}$	
Rockwell Hardness	PMMA: 113 PC: 108	
Optical -		
Transmittance	90%	
Refractive index	PMMA: 1.491 PC: 1.585	
Reflection	N/A	
Mechanical -		
Tensile strength	PMMA: 69.9 MPa PC: 70 MPa	
Thermal -		
Long term temp.	PMMA: -40°C to 80°C PC: -40°C to 120°C	
Short term temp.	PMMA: 95°C PC: 130°C	
Melting temp.	PMMA: 130°C PC: 288°C	
Surface	Prismatic pyramids on one side, glossy on other side	
UV stable	Yes	
Dirt depreciation	Anti-static treatment	
Chemical Resistance		See next page
Thermal expansion	PMMA: $7 \cdot 10^{-5}/K$ PC: $6.5 \cdot 10^{-5}/K$	Also used units $K^{-1} \times 10^{-5}$ or $10^{-6}/K$
Glow wire test IEC 60695-2-12	PC GWFI: 960/2 Results: Pass	960°C 2 mm thickness
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	Yes	
Saw	Yes	
Die Cut	No	
Thermo-forming	No	
Print	Yes	

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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.

Chemical Resistances for PMMA

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