

Advantages

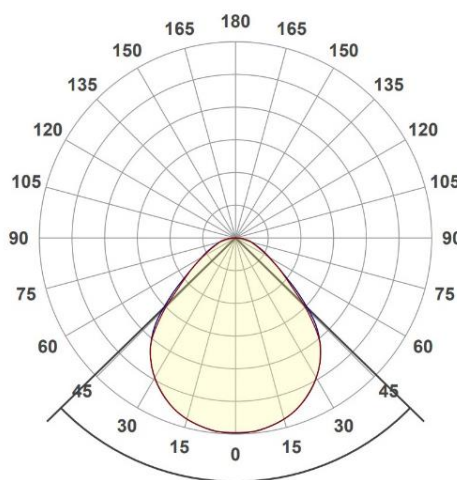
- Excellent de-glaring
- High transmittance
- High impact resistance
- Flexible dimensions

The **AGP micro prism** provides excellent glare control and is a great choice to achieve UGR<19. It features inverse hexagonal pyramid prisms that ensure high angle brightness control, excellent lamp

obscuration, and high transmittance. The prism has a soft cutoff with excellent visual appeal and LED hiding ability. It is appropriate for applications in which high angle brightness cannot be tolerated.

Product data

Material	PMMA - Clear acrylic
Thickness	1,5mm ± 0,1mm 2mm ± 0,1mm 3mm ± 0,1mm
Pyramid width	1,5mm
Refractive index	1,491 (PMMA)
Transmittance	92%
Standard dimensions	1200x1200mm 1250x1850mm 1250x3050mm
Temperature range	-40°C to +80°C
Glow wire test conducted	Yes
Build-up	One-plate solution



Measured light distribution curve, AGP

■ C0/C180

■ C90/C270

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

CONTACT US

For inquiries, feel free to contact us at: +45 46186644 or sales@ingemanncomponents.com

Technical specifications

Properties	3mm - PMMA
Physical	
Density	PMMA: 1,18g/cm ³
Rockwell Hardness	PMMA: 113
Optical	
Transmittance	90%
Refractive index	PMMA: 1,491
Reflection	N/A
Mechanical	
Tensile strength	PMMA: 69,9Mpa
Thermal	
Long term temperature	PMMA: -40°C to 80°C
Short term temperature	PMMA: 95°C
Melting temperature	PMMA: 130°C
Surface	Prismatic pyramids on one side, glossy on other side
UV stable	Yes
Dirt depreciation	Anti-static treatment
Chemical resistance, PMMA	See next page
Thermal expansion	PMMA: $7 \cdot 10^{-5}/K$ Also used units: $K^{-1} \times 10^{-5}$ or $10^{-6}/K$
Glow wire test	Test at 650°C Results: Pass
Fire rating	PMMA: Class B2 (DIN 4102)

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Chemical resistances - PMMA

Chemical resistances 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	-
Hydrochlorid 10%	+	Diluting agent	-

- + Resistant
- o Limited resistance
- Not resistant

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