

Material:	Makrolon GP 130
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Overview:

Makrolon GP 130 is a high-quality, translucent polycarbonate sheet specifically designed for various industrial and architectural applications. This sheet features a polished surface and is UV-stabilized, ensuring durability and performance in demanding environments.

Description:

Key Features:

- **Translucent Finish:** Makrolon GP 130 provides effective light diffusion while maintaining good visibility. Its white color allows it to diffuse light evenly, making it ideal for applications requiring soft illumination?
- **Impact Resistance:** This polycarbonate sheet boasts outstanding impact strength, making it 250 times more resistant to impact than glass. It is designed to protect against accidental breakage and vandalism?
- **Thermal Stability:** The sheet has a broad operational temperature range, with a heat deflection temperature of approximately 132°C. This allows it to maintain its shape and integrity under varying thermal conditions?
- **Light Transmission:** It offers a light transmission rate of about 40-60%, depending on the thickness, providing adequate light while diffusing harsh glare?
- **Easy Fabrication:** Makrolon GP 130 can be easily drilled, sawed, and thermoformed, making it suitable for various fabrication methods and customized applications?

Applications: Typical uses for Makrolon GP 130 include:

- Machine guards and safety enclosures
- Architectural elements and glazing
- Displays and signage
- Partitions in industrial environments

Parameters:

Characteristics	Units	Value	Test Method
Series		Polycarbonate	
Thickness	mm	4	
Color		White	
Density	g/cm ³	1.19	ISO 1183
Light Transmission	%	23	ISO 13468-2

Reflexive index	-	1.587	ISO 489
Flexual strength	MPa	90	ISO 178
UV protection	-	1	

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