

Material:	Makrolon GP 130
------------------	------------------------

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	5	
Color		White	
Density	g/cm ³	1.19	ISO 1183
Light Transmission	%	18	ISO 13468-2

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

Warranty:**Technical data**

All information and statements contained in this document are based on the manufacturer's or material supplier's sources known to us at the time of filing. PERLON, spol. s r.o. believes them to be reliable in good faith, but the accuracy and/or completeness of such information is not guaranteed. The data should be considered representative or typical only and should not be used for specification purposes. Manufacturers reserve the right to make changes to the design, construction and technical data of products without prior notice.

Use of the product

Many factors beyond the control of PERLON, spol. s r.o. and known only to the user may affect the use and performance of materials in a particular application. Therefore, we recommend that the customer perform their own tests of the suitability and performance of the material for their application and to a responsible extent for reliable results. As a result, the customer is solely responsible for evaluating the product and determining if it is suitable for the customer's application, including evaluating workplace hazards and reviewing all applicable regulations and standards. Failure to properly evaluate, use, or comply with all applicable safety regulations may result in injury, illness, death, and/or property damage if the material and associated safety is not properly evaluated. PERLON, spol. s r.o. makes no warranties of fitness for a particular purpose.

Limitation of liability

PERLON, spol. s r.o. shall not be liable for any loss or damage arising out of or relating to the product material, whether direct, indirect, special, incidental or consequential (including, but not limited to, loss of products or business), regardless of the applicable legal practice, including but not limited to warranty, contract, negligence or strict liability.

www.convertimg.sk