



PRODUCT PAGE



Material:

Makrolon NR 099

Overview:

Makrolon NR 099 is a high-quality, non-reflective polycarbonate sheet that offers excellent optical properties along with outstanding durability. This sheet is designed for applications requiring transparency while minimizing glare and reflections, making it ideal for various industrial and architectural uses.

Description:

Makrolon® NR is a transparent sheet with a matt finish and improved UV resistance on one side. These sheets are ideal in signage applications and poster glazing.

Key Features:

- **Non-Reflective Finish:** The unique matt surface reduces glare, making it suitable for environments where visual comfort is essential
- **High Impact Resistance:** Known for its exceptional strength, Makrolon NR 099 is nearly unbreakable, offering impact resistance that far exceeds that of glass and acrylic?
- **Light Transmission:** The sheet maintains high light transmission of approximately 83% at 3 mm thickness, ensuring good visibility while diffusing harsh lighting conditions?
- **Thermal Stability:** It can withstand a wide range of temperatures, with a heat deflection temperature of up to 128°C (262°F), making it suitable for various applications?
- **UV Resistance:** Makrolon NR 099 features improved UV resistance, which helps prevent yellowing and degradation from prolonged exposure to sunlight?

Applications: This versatile polycarbonate sheet is ideal for:

- Display cases and protective glazing
- Architectural applications requiring reduced glare
- Machine guards and safety enclosures
- Lighting fixtures and signage

Parameters:

Characteristics	Units	Value	Test Method
Series		Polycarbonate	
Thickness	mm	1.5	
Color		Clear	
Density	g/cm ³	1.19	ISO 1183

Light Transmission	%	83	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