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	
Color		Clear	
Density	g/cm³	1.19	ISO 1183

Light Transmission	%	83	ISO 13468-2
Reflextive index	-	1.587	ISO 489
Flexual strength	MPa	90	ISO 178
UV protection	-	1	

Warranty:

Technical data

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Use of the product

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