



PRODUCT PAGE



Material: Makrolon GP 150

Overview:

Makrolon GP 150 is a high-performance, translucent polycarbonate sheet designed for various industrial and architectural applications. Known for its excellent light diffusion, it offers both aesthetic appeal and functional benefits, making it suitable for environments where soft lighting is essential.

Description:

Key Features:

- **Translucent Finish:** The sheet has a light transmission rate of approximately 60%, allowing for good light diffusion while maintaining privacy?
- **Impact Resistance:** Makrolon GP 150 exhibits outstanding impact strength, making it highly resistant to breakage—about 250 times more than glass. This feature ensures safety in applications where accidental damage may occur
- **Thermal Stability:** With a heat deflection temperature of approximately 270°F (132°C), it can withstand high temperatures without losing structural integrity
- **UV Stabilization:** This polycarbonate sheet is UV stabilized, which helps prevent yellowing and degradation over time, making it ideal for outdoor applications.
- **Ease of Fabrication:** Makrolon GP 150 is lightweight and easy to fabricate, allowing for various processing methods including cutting, drilling, and thermoforming

Applications: Typical uses for Makrolon GP 150 include:

- Lighting fixtures and diffusers
- Wall partitions and enclosures
- Machine guards and protective shields
- Architectural elements where aesthetic and functional lighting is required

Parameters:

Characteristics	Units	Value	Test Method
Series		Polycarbonate	
Thickness	mm	3	
Color		White	
Density	g/cm ³	1.19	ISO 1183
Light Transmission	%	50	ISO 13468-2
Reflexive index	-	1.587	ISO 489

Flexual strength	MPa	90	ISO 178
UV protection	-	1	

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