

# PLEXIGLAS® Sheet Optical (RP)

Polymethyl Methacrylate Acrylic

Evonik Industries AG

## Message:

PLEXIGLAS® Optical (RP) was especially developed for rear projection to ensure optimal image generation in this demanding field of application. The base material is highly transparent PMMA with its excellent light transmission (92%). It offers very good mechanical strength, which makes the rear projection screens extremely hard-wearing. Applications: Based on these properties PLEXIGLAS® Optical (RP) is especially suitable for applications in event technology, control rooms, rear projection television, digital signage and mulittouch systems.

General Information			
Features	Durable Good Impact Resistance Good Weather Resistance High Hardness Recyclable Material		
Uses	Electrical/Electronic Applications		
Appearance	Clear/Transparent		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Water Absorption - 24h	38.0	mg	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2/1B/1
Tensile Stress <sup>1</sup>	72.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.5	%	ISO 527-2/1B/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.6	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	15	kJ/m <sup>2</sup>	ISO 179/1fU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ISO 306/B
NOTE			

1. Type 1B

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## Recommended distributors for this material

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