

# PLEXIGLAS® Sheet Optical RP Daylight 99561

Polymethyl Methacrylate Acrylic

Evonik Industries AG

## Message:

PLEXIGLAS® 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. The Daylight Screen is 3mm thick and is a universal product that is suitable for every environment. It represents the ideal compromise between contrast, gain and half-gain. All this is combined with an excellent price/performance ratio and a tough configuration.

General Information			
Features	High Clarity		
Uses	Electronic Displays		
	Lighting Diffusers		
	Optical Applications		
Appearance	Dark Grey		
Forms	Sheet		
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
Optical	Nominal Value	Unit	
Transmittance	42.0	%	
Gain	1.60		
Half-Gain	24.0	°	
Water Uptake Properties (in liquid) - 24h	38.0	mg	ISO 62
NOTE			
1.	Type 1B		

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