

PLEXIGLAS® Sheet Optical RP Control 7D009

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.

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 ¹	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/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	15	kJ/m²	ISO 179/1fU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ISO 306/B
Optical	Nominal Value	Unit	
Transmittance	24.0	%	
Gain	0.400		
Half-Gain	65.0	°	
Water Uptake Properties (in liquid) - 24h	38.0	mg	ISO 62
NOTE			
1.	Type 1B		

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