

# PLEXIGLAS® Film 0F058

PMMA Film

Evonik Industries AG

## Message:

PLEXIGLAS® Film 0F058 is an amorphous thermoplastic film based on polymethyl methacrylate (PMMA).

### Properties

PLEXIGLAS® Film 0F058 provides an excellent light transmission and brilliance due to a low intrinsic absorption.

Based on the very good optical density of PLEXIGLAS® Film 0F058, a high luminous efficiency can be achieved even at very long distances.

The film is manufactured in a calender process with a polishing stack technology. Therefore, PLEXIGLAS® Film 0F058 provides a high gloss surface on both sides.

### Application

PLEXIGLAS® Film 0F058 is used as light guide film in electronic devices.

General Information			
Features	Amorphous		
	High Gloss		
	Low to No Water Absorption		
Uses	Electrical/Electronic Applications		
	Lighting Applications		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm <sup>3</sup>	DIN 53479
Films	Nominal Value	Unit	Test Method
Tensile Strength	76.0	MPa	ISO 527-3
Tensile Elongation (Break)	3.0	%	ISO 527-3
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ISO 489
Transmittance	92.0	%	ISO 13468-2
Haze	< 1.0	%	ASTM D1003
UV Transmittance - 280 - 380 nm	90	%	

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