

# Makrofol<sup>®</sup> LM296 1-2 760125

## Description and Application Information

Makrofol<sup>®</sup> LM296 1-2 760125 is a grey coloured extruded film based on the polycarbonate Makrolon<sup>®</sup> from Covestro. The film is tailor-made for use in the so-called Black Panel Technology. It comprises a precisely defined light transmission within minimum tolerances at defined wave length as well a defined film surface.

The surface combination is one side gloss, one side very fine matte (1-2). The film is available in a standard thickness of 500 microns. Other thicknesses on request.

Typical applications are instrument panels and touch panels.

## Guide data\*

General properties			
Property	Value	Unit of measurement	Method
Density	1,2	g/cm <sup>3</sup>	ISO 1183 20°C Methode C
Thickness	500	µm	ISO 4593
Gloss			
1-side	≥ 98	Skt	ISO 2813
2-side	25	Skt	ISO 2813
Roughness R3z			
1-side	≤ 0,5	µm	following ISO 4287/88
2-side	< 5,5	µm	following ISO 4287/88
Mechanical properties			
Property	Value	Unit of measurement	Method
Tensile Modulus	2100	MPa	ISO 527-1,-3
Stress at break	60	MPa	ISO 527-1,-3
Strain at break	100	%	following ISO 527-1,-3
Optical properties			
Property	Value	Unit of measurement	Method
Light transmission	25	%	ISO 13468-2, following DIN 5036

\* These values provide general information and are not part of the product specification.

## Labeling and REACH applications

**This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet.**

Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which



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will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet.

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(1) Please see the "Guidance on Use of Covestro Products in a Medical Application" document.

(2) As defined in Commission Regulation (EU) 1935/2004.

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