

Makrofol® DE 6-2 013002

Description and Application Information

Makrofol® DE 6-2 013002 is a translucent white colored extrusion film based on Makrolon Polycarbonate. It comprises all of the well known advantages of Polycarbonate such as excellent mechanical and optical properties.

The surface combination of Makrofol® DE 6-2 013002 is fine velvet/very fine matte. It stands out due to its good printing quality and formability. It is suitable for High Pressure Forming process (HPF).

Makrofol® DE 6-2 013002 is available in several thicknesses between 475 and 1000 microns.

Makrofol® DE 6-2 013002 is used typically in display and lamp applications.

Guide data*

General properties			
Property	Value	Unit of measurement	Method
Density	1,2	g/cm ³	ISO 1183, 20°C method C
Thickness	300 - 1000	µm	ISO 4593
Gloss, 60° 6-side 300 - 750 µm	≤ 6,5	Digits	ISO 2813
Gloss, 60° 6-side > 750 - 1000 µm	≤ 10	Digits	ISO 2813
Gloss, 60° 2-side 300 - 750 µm	≤ 20	Digits	ISO 2813
Gloss, 60° 2-side > 750 - 1000 µm	≤ 40	Digits	ISO 2813
Roughness R3z 6-side	10,5 - 17	µm	following ISO 4287/88
Roughness R3z 2-side	≤ 9	µm	following ISO 4287/88
Mechanical properties			
Property	Value	Unit of measurement	Method
Tensile Modulus	≥ 2100	MPa	ISO 527-1,-3
Stress at break, parallel	≥ 60	MPa	ISO 527-1,-3
Strain at break, parallel	≥ 100	%	ISO 527-1,-3
Thermal properties			
Property	Value	Unit of measurement	Method
Shrinkage, parallel 130°C, 1 h	≤ 0,5	%	following IEC 60674-2
Shrinkage, transverse direction 130°C, 1 h	≤ 0,3	%	following IEC 60674-2

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

