

Makrofol® UV 244 6-2 040004

Description and Application Information

Makrofol® UV 244 040004 is a coextruded film based on Makrolon® with a specially developed functional layer for UV-protection. It combines the well known advantages of Makrofol® with respect to mechanical, thermal and optical properties with the capability for applications under UV-exposure.

The following surface combinations are available: fine velvet/very fine matte (6-2).

Available in the standard thicknesses 175 microns and 250 microns, other thicknesses are available on request.

Typical applications are instrument panels and touch panels in the automotive sector.

Preliminary guide data

General properties

Property	Value	Unit of measurement	Method
Density	1,2	g/cm ³	ISO 1183, 20°C method C
Thickness	175, 250	µm	ISO 4593
Gloss			
2-surface (6-2)	< 50	Skt	ISO 2813
6-surface (6-2)	5 ± 3	Skt	ISO 2813
Roughness			
2-surface (6-2)	≤ 10	µm	following ISO 4287/88
6-surface (6-2)	13 ± 3	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	%	ISO 527-1,-3

Optical properties

Property	Value	Unit of measurement	Method
Light transmission	≥ 80	%	O/D Standard light C/2
Discoloring after UV exposure	-4,5	delta L	SAE J 1885, 489kJ/m ² Reflection (8°/d)
	-0,5	delta a	
	2,3	delta b	
	4	delta YI	
	≤ 1	delta YI	Transmission (0°/d)



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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 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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