

Technical films

Makrofol® BL 6-2 | TC 00104

Description: Makrofol® BL 6-2 | TC 00104 is an extruded scattered light film which is based of Makrolon®.

Properties: Makrofol® BL 6-2 | TC 00104 is structured on one side, fine matted, glare-free as well as scratch resistant.

Applications: Makrofol® BL 6-2 | TC 00104 is used for vehicle instruments, illuminated indications and graphics as well as lamp- and projection-screens.

Colour: black-translucent

Delivery forms: Makrofol® BL 6-2 | TC 00104 has a standard-thickness of 200 µm on a roll or tape, die-cut part or customized cut. Other delivery forms upon customer request.

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Property	Testmethod	Unit	Value
Density, 20°C	ISO 1183, Methode C	g/cm ³	1,51
Gloss level, 60° front	ISO 2813	Skt	3
Gloss level, 60° back	ISO 2813	Skt	7
Coarseness R3z, front	following ISO 4287/88	µm	15
Coarseness R3z, back	following ISO 4287/88	µm	≤9
Tensile modulus	ISO 527-1,-3	MPa	≥2700
Breaking tension, lengthwise	ISO 527-1,-3	MPa	≥40
Breaking tension, crosswise	ISO 527-1,-3	MPa	≥40
Elongation at break, lengthwise	ISO 527-1,-3	%	70
Coefficient of thermal expansion, lengthwise	following. DIN 53752	10 ⁻⁶ /K	40
Coefficient of thermal expansion, crosswise	following DIN 53752	10 ⁻⁶ /K	40
Shrinkage, lengthwise 130°C, 1 h	following IEC 60674-2	%	≤0,2
Shrinkage, crosswise 130°C, 1 h	following IEC 60674-2	%	≤0,2
Burning speed	ISO 3795	mm/min	≤100
Burning test	UL94 VTM-2		passed
Light transmission	ISO 13468-3, following DIN 5036	%	≥20

Trademark information: Makrofol® is a registered trademark of the company Bayer MaterialScience AG, Germany.

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Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and the user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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