

Technical films

Makrofol® DE 1-1 | TC 00105

Material: Makrofol® DE 1-1 | TC 00105 is an unfilled polycarbonate-film, which offers high transparency and optical quality.

Properties: Makrofol® DE 1-1 | TC 00105 is a transparent, translucent film with a high gloss, which exhibits high optical quality.

Applications: Makrofol® DE 1-1 | TC 00105 can be used for type plates, apertures and medical packagings.

Colour: transparent, translucent

Delivery forms: Makrofol® DE 1-1 | TC 00105 is available in a thickness of 125 to 1000 µm, with high gloss on both sides and protective masking. Makrofol® DE 1-1 | TC 00105 can be delivered on a roll or as a sheet, as well as a die-cut or molded part. Other dimensions or delivery forms upon customer request.

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Property	Test method	Unit	Value
Density (at 20°C)	ISO 1183	g/cm ³	1,2
Gloss level, 60° front	ISO 2813	Skt	≥99
Gloss level, 60° back	ISO 2813	Skt	≥99
Roughness	Extract ISO 4287/88	µm	≤0,5
Modulus of elasticity	ISO 527-1,-3	MPa	≥2200
Breaking tension, lengthwise	ISO 527-1,-3	MPa	≥70
Breaking tension, crosswise	ISO 527-1,-3	MPa	≥70
Elongation at break, lengthwise	ISO 527-1,-3	%	150
Thermal coefficient of linear expansion at 20 to 120°C, lengthwise	Extract DIN 53752	10 ⁻⁶ /K	70
Thermal coefficient of linear expansion at 20 to 120°C, crosswise	Extract DIN 53752	10 ⁻⁶ /K	70
Shrinkage, lengthwise 130°C, 1 h	Extract IEC 60674-2	%	≤0,2
Shrinkage, crosswise 130°C, 1 h	Extract IEC 60674-2	%	≤0,2

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

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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