



Makrofol ID 6-2 laserable

PC films, card applications / laserable

Makrofol ID 6-2 is available as a laserable film in two different grades. Due to its outstanding optical properties it is the top choice for overlay-materials in cards. With Makrofol ID 6-2, text as well as images can be lasered in high resolution and contrast. Surface: Fine matte/Fine matte Available in various standard thicknesses between 50 and 150µm Available as roll and sheet

ISO Shortname

Property	Test Condition	Unit	Standard	Value
Rheological properties				
Shrinkage, parallel	130 °C; 1 h	%	IEC 60674	< 0.5
Shrinkage, across	130 °C; 1 h	%	IEC 60674	< 0.5
Mechanical properties (23 °C/50 % r. h.)				
Tensile modulus		MPa	ISO 527-1,-3	>2100
C Stress at break, parallel		MPa	ISO 527-1,-3	>60
C Stress at break, across		MPa	ISO 527-1,-3	>60
Strain at break		%	ISO 527-1,-3	>100
Thermal properties				
Coefficient of linear thermal expansion, parallel	20 to 120 °C	10 ⁻⁶ /K	DIN 53752	70
Coefficient of linear thermal expansion, transverse	20 to 120 °C	10 ⁻⁶ /K	DIN 53752	70
Other properties (23 °C)				
C Water absorption (Saturation value)	Water at 23 °C	%	ISO 62	0.2
C Density		kg/m ³	ISO 1183	1200
C Gloss	60 °; Top Side	-	ISO 2813	1.5 - 4.5
C Gloss	60 °; Reverse Side	-	ISO 2813	<= 15
Material specific properties				
Luminous transmittance (clear transparent materials)	D65	%	ISO 13468-2	80

C These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.

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Disclaimer

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