Makrofol DE 6-2

PC films, standard / Not filled, surfaces with and without texturing

Makrofol DE 6-2 is a translucent film based on Makrolon, the Hightech Polycarbonat made by Bayer MaterialScience. The dazzle free and scratch resistent film has been developed especially for graphic applications and comprises a unique surface combination fine velvet-very fine matt. It is available in a number of standard thicknesses between 125 and 500µm. Other thicknesses on request.

ISO Shortname

	Property	Test Condition	Unit	Standard	Value
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	Rheological properties				
	Shrinkage, parallel	130 °C; 1 h	%	IEC 60674	0,4
	Shrinkage, across	130 °C; 1 h	%	IEC 60674	0,4
	Mechanical properties (23 °C/50 % r. h.)				
	Tensile modulus		MPa	ISO 527-1,-3	2200
C	Stress at break, parallel		MPa	ISO 527-1,-3	70
C	Stress at break, across		MPa	ISO 527-1,-3	70
	Strain at break		%	ISO 527-1,-3	140
	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
	Burning rate (US-FMVSS)		mm/min	ISO 3795	<= 100
	Electrical properties (23 °C/50 % r. h.)				
C	Relative permittivity	1 MHz	-	IEC 60250	3.0
C	Dissipation factor	1 MHz	10^{-4}	IEC 60250	100
	Electrolytic corrosion		Rating	IEC 60426	A1
	Other properties (23 °C)				
C	Water absorption (Saturation value)	Water at 23 °C	%	ISO 62	0,2
C	Density		kg/m³	ISO 1183	1200
	Material specific properties				
	Luminous transmittance (clear transparent materials)	D65	%	ISO 13468-2	>= 85

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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