

Makrofol LT 6-4

PC films / Light dispersing, surfaces with texturing

Makrofol LT 6-4 is a dazzle-free, glas fibre filled scratch resistant light diffusion film based on Makrolon, the High Tech Polycarbonate made by Bayer MaterialScience. It comprises a uniquely high inherent stiffness. Makrofol LT 6-4 is clear translucent, the surface combination is one side fine velvet, one side fine matte. Standard thickness is 420 micron, other thicknesses on request. UL 94 VTM-0, UL 94 V-2, FMVSS 302.

ISO Shortname

Property	Test Condition	Unit	Standard	Value
Rheological properties				
Shrinkage, parallel	130 °C; 1 h	%	IEC 60674	0,15
Shrinkage, across	130 °C; 1 h	%	IEC 60674	0,15
Mechanical properties (23 °C/50 % r. h.)				
Tensile modulus		MPa	ISO 527-1,-3	5500
C Stress at break, parallel		MPa	ISO 527-1,-3	65
C Stress at break, across		MPa	ISO 527-1,-3	50
Strain at break		%	ISO 527-1,-3	3.0
Thermal properties				
Coefficient of linear thermal expansion, parallel	20 to 120 °C	10 ⁻⁶ /K	DIN 53752	50
Coefficient of linear thermal expansion, transverse	20 to 120 °C	10 ⁻⁶ /K	DIN 53752	50
Burning rate (US-FMVSS)		mm/min	ISO 3795	<= 100
Other properties (23 °C)				
C Water absorption (Saturation value)	Water at 23 °C	%	ISO 62	0,2
C Density		kg/m ³	ISO 1183	1410
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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Bayer MaterialScience AG,
D-51368 Leverkusen,
www.bayermaterialscience.com

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ISO Datasheet