

Makrofol DE 1-4

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

PC-film, translucent, one side gloss, one side fine matte, thickness 50 - 750 micron.

ISO Shortname

Property	Test Condition	Unit	Standard	Value
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/m ³	ISO 1183	1200
Material specific properties				
Luminous transmittance (clear transparent materials)	Type of light; C/2; O/D	%	ISO 13468-2	> 80



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