

Technical specification

Makrofol DE 1-4

Description PC-film, translucent, one side gloss, one side fine matte, thickness 50 - 750 micron. High transparency. Extremely high impact strength. Dimensionally stable. Good thermal dimensional stability. Excellent dielectric properties. Good creep resistance. Suitable for use in machines and automotive manufacturing.

Properties	Unit	Value	Test method
Shrinkage, parallel 130°C; 1h	%	0.4	IEC 60674
Shrinkage, across 130°C; 1h	%	0.4	IEC 60674
Tensile modulus	mPa	2200	ISO 527-1,-3
Stress at break, parallel	mPa	70	ISO 527-1,-3
Stress at break, across	mPa	70	ISO 527-1,-3
Strain at break	%	140	ISO 527-1,-3
Coefficient of linear thermal expansion, parallel. 20 to 120°C	10-6/K	70	DIN 53752
Coefficient of linear thermal expansion, transverse. 20 to 120°C	10-6/K	70	DIN 53752
Burning rate (US-FMVSS)	Mm/min	<=100	ISO 3795
Relative permittivity 1 MHz	-	3.0	IEC 60250
Dissipation factor 1 MHz	10-4	100	IEC 60250
Electrolytic corrosion	Rating	A1	IEC 60426
Water absorption (Saturation value) Water at 23°C	%	0.2	ISO 62
Density	Kg/m ³	1200	ISO 1183
Luminous transmittance (clear transparent materials) type of light; C/2; O/D	%	>80	ISO 13468-2

This specification is given by our best knowledge and might be submitted to changes.