



Makrofol ID 6-2

PC films, card applications / Transparent

Makrofol ID 6-2 is a special transparent Polycarbonate Film for identity-, credit- and health insurance cards. It comprises both outstanding durability and resistance to thermal and mechanical stress. Surface: Fine matte/Fine matte Makrofol ID 6-2 is available in various standard thicknesses between 50 and 250µm, other thicknesses on request. Available as roll and sheet

ISO Shortname

Property	Test Condition	Unit	Standard	Value
Rheological properties				
Shrinkage, parallel		%	IEC 60674	< 0.5
Shrinkage, across		%	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
Burning rate (US-FMVSS)		mm/min	ISO 3795	<= 100
Other properties (23 °C)				
C Density		kg/m ³	ISO 1183	1200
C Gloss	60 °; Top Side	-	ISO 2813	3.0 - 6.5
C Gloss	60 °; Reverse Side	-	ISO 2813	1.0 - 50
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.

Makrofol ID 6-2

Disclaimer

Disclaimer for Sales products

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

Publisher: Business Development Plastics
Bayer MaterialScience AG,
D-51368 Leverkusen,
www.bayermaterialscience.com

Page 2 of 2 pages

Edition 14.01.2008

Makrofol[®]
ISO Datasheet