

Makrofol ID 4-4 white

PC films, card applications / opaque

Makrofol ID 4-4 white is available in four different colour grades and is the top choice inlay-material in cards. Surface: Fine matte/Fine matte Available in various standard thicknesses between 105 and 300µm, other thicknesses on request. Available as Roll and sheets

ISO Shortname

| Property | Test Condition | Unit | Standard | Value |
|---|--------------------|-------------------|--------------|--------|
| Rheological properties | | | | |
| Shrinkage, parallel | 130 °C; 1 h | % | IEC 60674 | < 0.5 |
| Shrinkage, across | 130 °C; 1 h | % | 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 | > 50 |
| C Stress at break, across | | MPa | ISO 527-1,-3 | > 50 |
| Strain at break | | % | ISO 527-1,-3 | > 50 |
| Thermal properties | | | | |
| Burning rate (US-FMVSS) | | mm/min | ISO 3795 | <= 100 |
| Other properties (23 °C) | | | | |
| C Density | | kg/m ³ | ISO 1183 | 1340 |
| C Gloss | 60 °; Top Side | - | ISO 2813 | <= 25 |
| C Gloss | 60 °; Reverse Side | - | ISO 2813 | <= 25 |

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 4-4 white

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