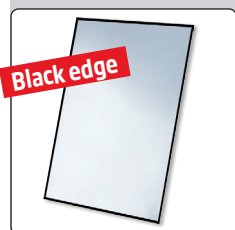


# Front panel with magnet



Transparent APET anti-reflective front panel with magnetic stripes on all edges. 1 cm printed edge in white or black. Available for pavement boards and frames to protect poster. Approx. 0,7 mm thick.

Transparente APET Antireflex Frontplatte mit Magnetband an allen Kanten. 1 cm Rand in weiß oder schwarz gedruckt. Für Straßenstände und Rahmen zum Plakatschutz. Dicke etwa 0,7 mm.

Gennemsigtig APET antirefleks frontplade med magnetbånd på alle kanter. 1 cm hvid eller sort trykt kant. Bruges til at sætte i gadeskilte og rammer til beskyttelse af plakat. Ca. 0,7 mm tyk.

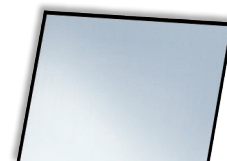
## With magnet and 1 cm printed **white edge** for all boards and frames

| Model | Art.        | Poster size        | Panel size  |
|-------|-------------|--------------------|-------------|
| 194   | <b>3947</b> | A4 21 x 29,7 cm    | 24 x 33 cm  |
| 194   | <b>3946</b> | A3 29,7 x 42 cm    | 33 x 45 cm  |
| 194   | <b>3997</b> | A2 42 x 59,4 cm    | 45 x 63 cm  |
| 194   | <b>3942</b> | 50 x 70 cm         | 53 x 73 cm  |
| 194   | <b>3943</b> | A1 59,4 x 84,1 cm  | 63 x 88 cm  |
| 194   | <b>3944</b> | 60 x 90 cm         | 63 x 93 cm  |
| 194   | <b>3945</b> | 70 x 100 cm        | 73 x 103 cm |
| 194   | <b>3950</b> | A0 84,1 x 118,9 cm | 88 x 123 cm |



## With magnet and 1 cm printed **black edge** for all boards and frames

| Model | Art.        | Poster size       | Panel size  |
|-------|-------------|-------------------|-------------|
| 194   | <b>3932</b> | 50 x 70 cm        | 53 x 73 cm  |
| 194   | <b>3933</b> | A1 59,4 x 84,1 cm | 63 x 88 cm  |
| 194   | <b>3935</b> | 70 x 100 cm       | 73 x 103 cm |



## With magnet and 1 cm printed **white edge** for Expo Signs

| Model | Art. | Poster size       | Panel size |
|-------|------|-------------------|------------|
| 194   |      | 50 x 70 cm        |            |
| 194   |      | A1 59,4 x 84,1 cm |            |
| 194   |      | 70 x 100 cm       |            |



## With magnet and 1 cm printed **black edge** for Expo Signs & Gotik Circle

| Model | Art.        | Poster size       | Panel size |
|-------|-------------|-------------------|------------|
| 194   |             | 50 x 70 cm        |            |
| 194   | <b>3934</b> | A1 59,4 x 84,1 cm |            |
| 194   |             | 70 x 100 cm       |            |



**APET frontpanel is a clear-transparent sheet with high light transmission and gloss:** Made from thermoplastic polyester. They offer high impact strength, a good fire rating and are suitable for food-contact applications. Resistant to chemicals and fully recyclable.

**Applications - ideal fields of indoor application for APET front panels are:** P.O.S. (displays, price tag holders, shelf partitions), poster glazing, poster boards (also backlit), direction signs, promotional symbols, food containers and trays, decorative inserts, pharmaceutical products, flat machine guards. The front panels can be machined and screen printed with ease. Owing to the crystallization properties of polyester, the sheet may turn white during thermoforming. Line-bent APET front-panels show a hinge effect. For outdoor applications it is recommended to use APET UV frontpanels.

**Light transmission at 0,8 mm thickness:** 90 %. Test Method according to DIN 5036. The stated thicknesses are not all available as standard. Please ask us for more information. The stated value are typical value only.

**Permanent Service Temperature:** The permanent service temperature without load is approx. 60° C.

**Fire Rating:** Oxygen index (LOI) 25%, ISO 4589. Fire certificates are limited in time, always check if the mentioned certificate is still valid.

**Glow wire flammability index, IEC 60695-2-12, in °C:** Fire certificates are limited in time, always check if the mentioned certificate is still valid.

|                   |                                    | TEST CONDITIONS                                | VALUES            | UNIT TEST         | METHOD                 |
|-------------------|------------------------------------|--|-------------------|-------------------|------------------------|
| <b>Physical</b>   | Density                            |  | 1.33              | g/cm <sup>3</sup> | ISO 1183-1             |
|                   | Moisture absorption                | after storage in 23 °C/50% RH                  | 0.2               | %                 | ISO 62-4               |
|                   |                                    | after storage in water at 23 °C                | 0.5               | %                 | ISO 62-1               |
|                   | Refractive index                   | 20 °C  | 1.585             | -                 | ISO 489                |
| <b>Mechanical</b> | Tensile stress at yield            |  | > 55              | MPa               | ISO 527-2/1B/50        |
|                   | Elongation at yield                |  | 4                 | %                 | ISO 527-2/1B/50        |
|                   | Tensile strength                   |  | > 55              | MPa               | ISO 527-2/1B/50        |
|                   | Elongation at break                |  | > 25              | %                 | ISO 527-2/1B/50        |
|                   | Elastic modulus                    |  | 2500              | MPa               | ISO 527-2/1B/1         |
|                   | Limiting flexural stress           |  | ca. 80            | MPa               | ISO 178                |
|                   | Impact strength                    | Charpy, unnotched                              | no break          | kJ/m <sup>2</sup> | ISO 179/1fU            |
|                   | Charpy, notched                    | ca. 4  | kJ/m <sup>2</sup> | ISO 179/1eA       |                        |
|                   | Izod, notched                      | ca. 3  | kJ/m <sup>2</sup> | ISO 180/1A        |                        |
| <b>Thermal</b>    | Vicat softening temperature        | Method B50                                     | 75                | °C                | ISO 306                |
|                   | Thermal conductivity               |  | 0.25              | W/m K             | DIN 52612              |
|                   | Coeff. of linear thermal expansion |  | 0.05              | mm/m K            | DIN 53752-A            |
|                   | Heat deflection temp. under load   | Method A: 1.80 MPa<br>Method B: 0.45 MPa       | 63<br>70          | °C                | ISO 75-2<br>ISO 75-2   |
| <b>Electrical</b> | Dielectric strength                |  | 60                | kV/mm             | IEC 60243-1            |
|                   | Volume resistivity                 |  | 10 <sup>15</sup>  | Ohm·cm            | IEC 60093              |
|                   | Surface resistivity                |  | 10 <sup>16</sup>  | Ohm               | IEC 60093              |
|                   | Dielectric constant                | at 10 <sup>3</sup> Hz                          | 3.4               |                   | IEC 60250              |
|                   |                                    | at 10 <sup>6</sup> Hz                          | 3.1               |                   | IEC 60250              |
|                   | Dissipation factor                 | at 10 <sup>3</sup> Hz<br>at 10 <sup>6</sup> Hz | 0.015<br>0.056    |                   | IEC 60250<br>IEC 60250 |