ALTEC
INDUSTRIAL IDENTIFICATION

Technical datasheet

# P5000

## POLYESTER LABELS – TRANSPARENT – SILVER – WHITE - YELLOW

### Description

Permanent, highly clear transparent polyester labels on roll for thermal transfer printers

| | |
|---|---|
| **Material** | Polyester |
| **Finishing** | Glossy |
| **Color** | Transparent<br>Silver<br>White<br>Yellow |
| **Adhesive** | Acrylic |
| **Liner** | Glassine |

### Physical data

**Material thickness (Transparent, Silver and White)**

| | Value (tolerance) | Unit | Test method |
|---|---|---|---|
| Facestock | 50 (+/- 3) | Micron | ASTM D 3652 |
| Adhesive | 22 | Micron | FTM 1 (72 hour dwell) |
| Liner (glassine) | 56 | Micron | ASTM D 3652 |

**Adhesive (Transparent, Silver and White)**

| | | Value | Unit | Test method |
|---|---|---|---|---|
| Shear Strength | | 50 | Hours | FTM 8 (1 hour dwell) |
| Initial Tack | | 673,0 (601,0) | g/cm$^2$ | ASTM D 2979 |
| Peel resistance | Stainless Steel | 16 (13) | N/25 mm | FTM 1 (72 hours) |
| | Glass | 19 (14) | N/25 mm | FTM 1 (72 hours) |
| | Polypropylene | 17 (14) | N/25 mm | FTM 1 (72 hours) |
| | Paint (automotive) | 18 (15) | N/25 mm | FTM 1 (72 hours) |
| | PBT | 16 (13) | N/25 mm | FTM 1 (72 hours) |
| Application temperature | | Min. +2 | °C | |
| Temperature Range (adhesive) | | -40 to +150 | °C | |

**ALTEC industrial identification nv / sa**
Zone Cargovil B60; Erasmuslaan 11
1804 Eppegem - Belgium

0032 2 270 34 88
info@altec.be
www.altec.be

## Physical data

**Material thickness (Yellow)**

| | Value (tolerance) | Unit | Test method |
|---|---|---|---|
| Facestock | 50 | Micron | ASTM D 3652 |
| Adhesive | 31 | Micron | ASTM D 3652 |
| Liner (glassine) | 56 | Micron | ASTM D 3652 |

**Adhesive (Yellow)**

| | | Value | Unit | Test method |
|---|---|---|---|---|
| Shear Strength | | 50 | Hours | FTM 8 (1 hour dwell) |
| Initial Tack | | 720,0 | g/cm$^2$ | ASTM D 2979 |
| Peel resistance | Stainless Steel | 25 | N/25 mm | FTM 1 (72 hours) |
| | Glass | 24 | N/25 mm | FTM 1 (72 hours) |
| | Polypropylene | - | N/25 mm | FTM 1 (72 hours) |
| | Paint (automotive) | - | N/25 mm | FTM 1 (72 hours) |
| | PBT | - | N/25 mm | FTM 1 (72 hours) |
| Application temperature | | Min. +10 | °C | |
| Temperature Range (adhesive) | | -40 to +150 | °C | |

## Certifications

**REACH**
Please contact Altec for the latest REACH document available.
**RoHS**
Please contact Altec for the latest RoHS document available.

## Storage

Material is stable for two years stored at max. 21°C and 50% rel. humidity. Damp conditions, excessive heat and/or cold conditions should be avoided.

## Further information

Expected exterior life dependant on substrate but label material is outdoor resistant for at least 2 years. This product has a dielectric strength of 9 kV, and will be able to withstand voltages up to this value. The film is also expected to have a Comparative Tracking Index (CTI) of 3, corresponding to a range of 175 – 249 V. Our supplier, however, does not recommend this film for electrical insulation purposes.



**ALTEC industrial identification nv / sa**
Zone Cargovil B60; Erasmuslaan 11
1804 Eppegem - Belgium

0032 2 270 34 88
info@altec.be
www.altec.be