

# Speciality Label - Printable Polyimide

## PMAL7006

# DATA SHEET

### Description

PMAL7006 comprises a flame retardant 1 mil (25 $\mu$ ) polyimide film with a high-temperature permanent pressure sensitive acrylic adhesive and a high opacity, gloss white topcoat specifically designed for thermal transfer printing. The print resists smearing, even when the board and label are directly removed from a reflow or wave solder environment. PMAL7006 also meets UL510 OANZ2 Flammability rating.



### Physical Properties

|  |  |
|--|--|
| Facestock Composition                                | Polyimide film   |
| Thickness  | 38 $\mu$ m $\pm$ 10%   |
| Adhesive Composition                                 | Acrylic-based  |
| Avg. Peel Adhesive on Stainless Steel (20 min dwell) | $\geq$ 25 oz/in  |
| Avg. Peel Adhesive on Stainless Steel (24 hrs dwell) | $\geq$ 28 oz/in  |
| Release Liner  | Glassine paper   |
| Release Liner Thickness                              | 55 $\mu$ m $\pm$ 10%   |
| Tack   | $\geq$ 1000 g/in   |
| Service Temp.  | $\leq$ 150°F (10°C)  |
| Storage Stability                                    | One year stored at 23 $\pm$ 3°C and 50 $\pm$ 5% RH           |
| Packaging  | Label roll in 3" paper core and wrap with single shrink film |

### Adhesive Application Guide

|                 |         |                                    |
|-----------------|---------|------------------------------------|
| Polycarbonate   | ABS •   | Cleanroom Paper                    |
| Polyester •     | Rubber  | Carton Box                         |
| Polyethylene •  | Glass • | PCB Board & Electronic component • |
| Polypropylene • | Metal • |                                    |