

Cleanroom 1 Label

Thermal Transfer PMA4567

DATA SHEET

Description

PMA4567 is a non-silicone thermal transfer cleanroom label which comes with semi-gloss white BOPP based synthetic film. A special resin top coat provides excellent chemical resistance and good thermal transfer printing image with most resin & combination ribbons, surface treated for better ink writing or printing. This product exhibits ultra-low ionic extraction level and durable performance in micro-electronic cleanroom application.



Physical Properties

Label Composition	BOPP
Film Thickness	2.3 mil ± 10%
Adhesive Composition	Low outgassing Acrylic-based
Adhesive Thickness	0.9 mil - 1.0 mil ± 0.1
Avg. Peel Adhesive (72 hour dwell)	45 - 55 oz/in
Release Liner	Non-silicone coated Polyester
Release Liner Thickness	1.5 mil ± 5%
Release Force	20 - 40 grams
Min. Application Temp.	64.4°F (18°C)
Service Temp.	23°F to 302°F (-5°C to 150°C)
Storage Stability	Two years stored at 70°F (21°C) and 50% RH
Packaging	Cleaned and double bagged in Class 10 cleanroom. Wound in 3" OR 1" cleaned PE core

Cleanliness Properties

Extractable Silicone (FTIR) - Adhesive side - Release side	Not Detectable (≤ 2.00 ng/ cm ² ≤ 20.00 ng/ cm ²)
Total outgassing (GCMS)	$\leq 10,000$ ng/ cm ²

Adhesive Application Guide

Polycarbonate •	ABS •	Cleanroom Paper
Polyester •	Rubber •	Carton Box
Polyethylene •	Glass •	
Polypropylene •	Metal •	