

## PolyPro™ 4000D

<b>Media Type</b>	Label	✓	<b>Film Type</b>	Polyethylene	
	Receipt			Polyolefin	
	Tag			Polypropylene	✓
	Wristband			Polyester	
<b>Material Type</b>	Paper			Polyimide	
	Synthetic	✓	<b>Properties</b>	Cold Temperature	✓
<b>Printing Technology</b>	Direct Thermal (no Ribbon Required)	✓		Deep Freeze	
	Thermal Transfer (Ribbon Required)			High Temperature	
<b>Adhesive Type</b>	Permanent	✓		Ultra High Temperature	
	Removable			High Tack	
	No Adhesive		Chemical Resistance	-	
<b>Finish</b>	Matte	✓	<b>Environment</b>	Indoor	✓
	Gloss			Outdoor	✓

Note: PolyPro 4000D is not recommended for applications involving long term exposure to sunlight or extreme heat. It is only recommended for short-term outdoor use.

### Additional Features

- No ribbon required for direct thermal printing, therefore only one stock item needed
- Produces high contrast images
- Offers good adhesion to a wide range of surfaces
- ISEGA approved for direct contact on dry, non-fatty foods
- Adhesive complies with European food regulations EU 10/2011 and FDA 175.105 for direct contact with dry, non-fatty foodstuffs
- Tear and water resistant
- BPA free
- Latex free adhesive

### Suggested Applications

- Indoor general purpose labelling
- Tear resistant shelf-edge labelling
- Warehouse tote bin labelling
- Labelling of most packaging materials and plastic substrates
- Labelling of patient and laboratory samples
- Short term outdoor retail labelling e.g. garden centres

## Technical Specifications

	Description	Caliper
<b>Facestock</b>	Matte white topcoated thermal imaging polypropylene	105 microns
<b>Adhesive</b>	Permanent acrylic adhesive	18 microns
<b>Liner</b>	60gsm glassine liner	53 microns
	<b>Total</b>	<b>176 microns ±10%</b>

**Recommended Zebra Printers:**

Mobile, desktop, mid-range and high-performance thermal printers

**Minimum Application Temperature:**

5°C

When the label is applied, the environment and surface should be above this temperature

**Service Temperature Range:**

-20°C to 80°C

Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range

**Recommended Storage Conditions:**

1 year duration when stored at 20°C, at 50% RH

Storage of product before use

**Expected Life Span in Application:**

Indoor use, up to 1 year

Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated

Outdoor use, up to 6 months

## Product Performance and Suitability

The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application.

For testing of this material, please order from the ZipShip price list or order sample roll SAMPLE65644.