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# Specification Sheet

## PolyPro 4000D

### Features:

- Direct thermal, matte polypropylene label with an all-temp acrylic adhesive
- Good smear/scratch resistance
- Not to be used with chemicals
- Available in white (65843RM)
- This material is suitable for fanfolding
- Meets FDA 175.105 for indirect food contact requirements

### Suggested Applications:

- Indoor, general purpose labeling
- Houseware goods labeling
- Cold storage labeling
- Provides good resistance to common industrial cleaning solutions
- Labeling of most packaging materials and plastic substrates

### Material Construction:

	Description	Caliper
<b>Facestock</b>	White matte topcoated polypropylene	2.8 mil
<b>Adhesive</b>	All-temperature, acrylic-based	0.8 mil
<b>Liner</b>	40 lb. semi-bleached, kraft stock	2.5 mil
<b>Total</b>		6.1 mil +/- 10%

### Temperature Performance:

- Minimum Application Temperature: -40° F (-40° C)
- Service Temperature: -65° F to 131° F (-54° C to 55° C)
- Storage Conditions: 32° F to 70° F (0° C to 21° C) at 35% to 50% RH
- Expected Exterior Life: Not recommended for outdoor use

**Suggested Ribbons for Applications with Chemicals**

DT	Weak					Moderate				Harsh			Extreme				
	Blood	Body Fluid	Salt Water	Water	Window Cleaner	Alcohol	Ammonia	Bleach	IPA	Gasoline	Grease	Oil	Acetone	IR Reflow	MEK	TCE	Xylene
			X	X	X												

**180° Peel Room Temperature Peel Adhesion (oz/in):**

<i>Corrugate</i>		<i>Steel</i>		<i>Polycarbonate</i>		<i>Polyethylene</i>	
5 min	24 hr	5 min	24 hr	5 min	24 hr	5 min	24 hr
17	18	49	*	57	*	26	46

\*Attraction between adhesive and surface is so great that the facestock rips.

NOTE: For guidance only, not to be used for setting specifications

**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.