

THERMAFLEX LABELS



Add the durability of thermal transfer labels to your mobile printer.

What are ThermoFlex Labels? ThermoFlex labels are an innovative label product that combines thermal transfer ribbons and labels into a single roll. This allows your customers to print durable thermal transfer labels from a direct thermal printer. ThermoFlex labels enable print of thermal transfer labels from mobile direct thermal printers.

Markets for ThermoFlex Labels

- Field Services & Repair
- Warehouse & Distribution
- Horticulture
- Stevedoring
- Lumber Processing/Shipping
- Fleet Management
- Retail & Hospitality
- Outdoor Asset Tagging
- Healthcare and more...

TECHNICAL INFORMATION

DOCUMENT			
ITEM NO.	DT-400250-BPR	Labels per Roll	180
Type Finishing	BOPP with resin ribbon	Rolls per Box	50
Label size	4" x 2.5" (101,6 x 63,5mm)	Border & Liner	0.25+0.125" (6,35+ 3,175mm)
Facestock	2.6 Mil Polypropylene Gloss or Matte White. A 2.6 mil heat set, biaxially oriented multilayer white polypropylene film (BOPP).		
Type	Film		
Tensile	MD:13000 Psi	CD:25000 Psi	
Dyne Level	FRONT: N/A	BACK: N/A	
Elongation	MD: 900	CD: 050	
Caliper	2.60 Mil		
Opacity	88.00%		
Corona	YES		
Temp. Range	Upper: N/A		
Regulatory Approvals	RoHS, REACH, CPSIA, Prop 65, TPCH, Indirect Food		

Product specifications are subject to change without notice.



Benefits of ThermoFlex Labels

- More Durable – Thermal transfer labels are more resistant to UV, temperature, moisture, chemicals, scratches and smudges.
- Save on Ribbon Expenses – The ink is already on the label, so no need to buy separate ribbons.
- Flexibility – Labels can be printed using any thermal printer, including direct thermal and mobile printers.
- No Need to Match Ribbons and Labels – Eliminate the waste of mismatched ribbon/ label quantity or printing narrow labels with a wider ribbon.

Resin Ribbon Specifications

Film Thickness	4.5 ± .30μ	Resistance	Text Quality	Very Good
Total Thickness	6.2 ± .50μ		Outdoor	Good
Maximum Print Speed	8 IPS		Chemical	Good
Transmission Density	1.00 MacBeth Scale		Heat	Good
Image Darkness	>2.2RD		Abrasion	Very Good
Compliance	REACH -SVHC Free, RoHS/WEEE, Ca Prop 65, Halogen Free			

Adhesive

Clear acrylic adhesive featuring high initial tack, high shear & high ultimate adhesion with excellent clarity and minimum cold flow. UV, solvent, and occasional water and oil resistance. This is an acid free adhesive.

Coat Weight	Standard
App. Temp.	35°F
Service Temp.	-65°F to 160°F

Substrates	Dwell 10 Minutes	24 Hours
Stainless Steel	4.9 lbs/linear in.	5.6 lbs/linear in.
Glass	2.3 lbs/linear in.	2.8 lbs/linear in.
Polyethylene	2.6 lbs/linear in.	2.9 lbs/linear in.
Corrugated	3.9 lbs/linear in.	2.9 lbs/linear in.
Painted Metal	4.3 lbs/linear in.	4.3 lbs/linear in.

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