



Labels that Last

645 Thermal Transfer Plastic

Description: This biaxially-oriented poly-blend is flexible and well-suited for a wide variety of applications where durability, strength and excellent printability are important. It will tear only if nicked. With a matte, print-receptive coating on one side, it prints with a good range of thermal transfer ribbons and takes floodcoating extremely well. Perhaps most importantly, it is very **appropriate for outdoor applications up to two years.**

It comes with a superior all-temperature adhesive with high initial tack for low-surface energy polyolefins as well as painted metal, fiber drums and textured surfaces including lumber. The adhesive is glove-friendly yet provides excellent bond to painted metal, polyolefin and fiber drums in all weather conditions. It is very suitable for the most demanding of label applications.

Applications include, but are not limited to, warehouse rack identification, asset-tracking, product marking, and drum & HMIS labeling. It is a cost-alternative to vinyl and can affordably replace paper in many situations.

Ribbon Recommendations: T68 or T96 Resins provide the most durability; T68 works well on floodcoated 645. T154 Wax/Resin also works, but is only available for full-size printers.

Compliance:

FDA 21 CFR 175.105 for Indirect Food Contact

BS 5609 for Chemical Drum Labeling, Section 2 Base Materials & Section 3 Printed Labels

RoHS, RoHS II Recast and REACH SVHC Candidate List

	Face Stock	Adhesive	Liner
Type	Plastic	Permanent Acrylic	Silicone Paper
Color	White	Clear	White
Caliper	3.3 mil	0.8 mil	3.2 mil
Basis Weight	40# / 3300 ft ²	-	54#/3000 ft ²
Opacity	91%	-	73%
Min. Application Temp.	-	-10°F (-23°C)	-
Service Temp. Range	-	-65° to 200°F (-54°C to 93°C)	-
Total Construction	7.3 mil		

	Temperature	Humidity	Shelf Life
Recommended Storage Conditions	70°F	35% to 85% R.H.	One Year

NOTE: Due to the variety of application conditions, Electronic Imaging Materials strongly encourages the end-user to do thorough testing of all label products under consideration to make sure they will meet the application requirements.