

### Face Description

A high sensitivity, translucent polypropylene, overcoated direct thermal facestock for use in **high speed** thermal printers. Features good environmental resistance properties. Human readable only.

Test Property	Typical Values	Test Method
Basis Weight	47.4# Avg.	TAPPI T410
Caliper, inches	0.00315 +/- 10%	TAPPI T411
Brightness %	Not applicable	TAPPI T-525
Smoothness, Bekk test	5000 sec Avg.	TAPPI T-479
Image Color	Black	
Initial Activation Temp (O.D.=0.2)		158 ± 9°F 70 ± 5°C
Effective Activation Temp (O.D.=0.8)		185 ± 9°F 85 ± 5°C
Optimum Activation Temp (O.D.=0.2)		203 ± 9°F 95 ± 5°C
Resistance to Oils, Fats, Blood		Excellent
15 Hour Water Immersion		Excellent

### Adhesive Description ST-95 - Special Tight Release

ST95 is a permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion and mandrel hold. Very good adhesion to corrugated, glass, and various plastic substrates. Considered to be latex glove friendly for use in some healthcare applications.

Test Property	Typical Values	Test Method
Caliper, inches	0.0007 +/- 10%	
Min Application	25°F (-4°C)	
Service range	-75 to 200°F (-60°C to 93°C)	
Average Peel Adhesion Stainless Steel 30 minutes applied/90° angle	2.2/lbs/inch	PSTC-101A/Method A MACTac CTM54
Loop Tack g/1"	3 lbs./sq. inch	PSTC-16/Method A MACTac CTM25

When comparing values, keep in mind, other suppliers may use different testing methods.

### Liner Description

A semi-bleached, super calendared kraft liner excellent for die cutting and stripping. The liner release system is designed specifically for label dispensing. Primarily for roll-to-roll applications.

Test Property	Typical Values	Test Method
Caliper	0.0024 +/- 10%	TAPPI T411
Basis Weight	40 +/- 10%	TAPPI T410

### Applications

Used address labels, shipping labels and other retail and industrial markets requiring a translucent film with good environmental resistance and tight release. Recommended for use in high speed thermal printers.

### Shelf Life

One year when stored at 72°F and 50% RH. For more about Direct Thermal Storage, see the Technical Bulletin for Direct Thermal Storage at [www.mactac.com](http://www.mactac.com).

Note: The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, regulatory compliances, please contact your MACTac sales representative to discuss your requirements for recommendations. If this is a printed Performance Guide, it is an uncontrolled document. Please check the MACTac website for the latest, most up-to-date version at [www.mactac.com](http://www.mactac.com)

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