



Liberty Marking Systems, Inc.
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Product Data Sheet

456 Clear Polyester

Liberty 455 is a high performance clear polyester label film construction. The base material is printed with a high performance film ink to the proper colors and laminated with a thermal transfer printable overlamine. The stock resists tearing, abrasion and heat. The durable topcoat resists smudging and abrasion when printed with resin based thermal transfer ribbons.

A high performance acrylic adhesive (A-143) provides a permanent bond to a wide range of surfaces.

The release liner is a standard roll label liner compatible with most thermal transfer printers.

Service Temperature Range	-40° F to 300° F (-40° C to 149° C)
Application Temperature (minimum)	25° F (-4° C)
Storage Stability	One year stored at 72° F (22° C) and 50% RH

PHYSICAL CHARACTERISTICS

Thickness	Film	3.1 mils +/- 10% (includes base and laminate)
	Adhesive	0.8-0.9 mils +/- 0.1
	Liner	3.2 mils +/- 10%

ADHESION PROPERTIES

After 72 hours at room temperature

	Oz/in	N/100mm
Aluminum	60	66
Stainless Steel	59.6	65.6
ABS Plastic	62.9	69.2
Polypropylene	5.4	5.9
HDPE	12.9	14.2
LDPE	28	31

Product Performance and Suitability

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