Liberty Marking Systems, Inc.
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Product Data Sheet

265 Matte Silver 2 mil Polyester

Liberty 265 is a topcoated thermal transfer printable matte silver polyester with a permanent pressure sensitive acrylic adhesive and backed with a kraft release liner.

This product is designed for applications requiring barcoded or variable information labels with good dimensional stability, durability, and high temperature resistance. The topcoat provides a receptive surface for thermal transfer printing with resin based ribbons and conventional inks.

Liberty 265 is UL Recognized for indoor and outdoor use, with limited exposure to lubricating oil and water. For further information on printer and ribbon combinations please reference file # MH25432 or contact your Liberty Marking Systems representative. The temperature limits of the recognition are listed below.

Surface	Temperature Limits	Recognition
Stainless Steel	-20° F to 302° F (-29° C to 150° C)	Indoor/Outdoor
Aluminum	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Galvanized Steel	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Alkyd Enamel	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Polyester Paint	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Acrylic Paint	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Polyester Powder Paint	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Polyester Powder Paint	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Polyester Powder Paint	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Epoxy Paint	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Epoxy Powder Paint	-40° F to 257° F (-40° C to 125° C)	Indoor/Outdoor
Epoxy / Polyester Paint Blend	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Epoxy Powder / Urethane Powder Paint Blend	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Epoxy Powder / Polyester Powder Paint Blend	-40° F to 257° F (-40° C to 125° C)	Indoor/Outdoor
Polyurethane Powder Paint	-40° F to 212° F (-40° C to 100° C)	Indoor/Outdoor
Polyurethane Paint	-40° F to 212° F (-40° C to 100° C)	Indoor/Outdoor
Epoxy / Polyurethane Paint Blend	-40° F to 212° F (-40° C to 100° C)	Indoor/Outdoor
Polyester / Polyurethane Paint Blend	-40° F to 212° F (-40° C to 100° C)	Indoor/Outdoor
Polyester Powder / Polyurethane Powder Paint Blend	-40° F to 212° F (-40° C to 100° C)	Indoor/Outdoor
Porcelain	-40° F to 302° F (-40° C to 150° C)	Indoor/Outdoor
Nylon	-40° F to 212° F (-40° C to 100° C)	Indoor/Outdoor
Melamine Plastic	-40° F to 212° F (-40° C to 100° C)	Indoor/Outdoor
Polycarbonate	-40° F to 176° F (-40° C to 80° C)	Indoor/Outdoor
Phenolic	-40° F to 212° F (-40° C to 100° C)	Indoor/Outdoor
Polystyrene	-40° F to 176° F (-40° C to 80° C)	Indoor/Outdoor
ABS Plastic	-40° F to 176° F (-40° C to 80° C)	Indoor/Outdoor
Unsaturated Thermoset Polyester	-40° F to 212° F (-40° C to 100° C)	Indoor/Outdoor
Polypropylene	176° F (80° C) No Cold Rating	Indoor Only
Polyphenylene Oxide	-40° F to 176° F (-40° C to 80° C)	Indoor Only

Product Performance and Suitabilility

265 Matte Silver 2 mil Polyester

Service Temperature Range See page one for exact surface	-40° F to 302° F (-40° C to 150° C)
Minimum Application Temperature	50° F (10 C)
Expected Exterior Life	Two years
Storage Stability	Two years stored at 70° F (21° C) and 50% RH

PHYSICAL CHARACTERISTICS:

Thickness	Film	2.0 mils +/- 10%
	Adhesive	0.8-0.9 mills +/- 0.1
	Liner	3.1 mils +/- 10%
Dimensional Stability	No shrinkage observed on aluminum panel at 160° F (70° C) for 24 hours.	

ADHESION PROPERTIES:

	Average oz/in	(N/m)	Test Method
Glass	69	(759)	PSTC 1 (Modified for 72 hr dwell time)
Acrylic	71	(781)	
Stainless Steel	67	(737)	
Expected Shear (hours)	100+		PSTC 7 (1 hr. dwell, 1 sq. in., 4 lb. load)
Tack (gm/sq cm)	540		ASTM D 2979-71