



Liberty Marking Systems, Inc.
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Product Data Sheet

239 Clear Polyester Overlaminates

Series 239 is a 1 mil clear, transparent polyester film with a permanent, acrylic adhesive (A-135), backed with a coated kraft liner.

This product is designed for overlaminating of plastic film facestocks to provide increased surface abrasion and splash resistance and to allow thermal transfer printing using resin based thermal transfer ribbons.

Series 239 is UL Recognized for indoor and outdoor service use when used as a laminate on various Liberty Marking Systems base stocks. For further information please reference file # MH25432 or contact your Liberty Marking Systems representative.

Application Performance Characteristics

Thickness	Film	1.0 mils +/- 10%
	Adhesive	0.8-0.9 mils +/- 0.1 mils
Service Temperature Range:		-40° F to 302° F (-40° C to 150° C)
Minimum Application Temperature:		+45° F (8° C)
Adhesion:		The permanent, emulsion acrylic adhesive provides an excellent bond to most plastic films.
Shelf Life:		One year when stored at 75° F and 50% R.H.
Printability:		Resin based thermal transfer ribbons.
U.L. Recognition:		Indoor/outdoor service. See file # MH25432 for details.



Product Performance and Suitability

All of the descriptive information and recommendations for the use of Liberty Marking Systems products are to be used only as a guide. The furnishing of such information and recommendations shall in no event constitute a warranty of any kind by Liberty Marking Systems. All purchasers of Liberty Marking Systems products shall independently determine the suitability of the material for the purpose for which it is purchased. No distributor, salesman, or representative of Liberty Marking Systems is authorized to give any warranty, guarantee, or to make any representation in addition or contrary to the above.