



Liberty Marking Systems, Inc.
11584 Gold Coast Dr.
Cincinnati, OH 45249
513-530-9270 FAX 513-530-9272

Product Data Sheet

HT50

HT50 resin thermal transfer ribbon has been developed to meet the demands of the most rigorous applications and will provide a clean, scratch-resistant image on thermal transfer compatible films. HT50 is capable of handling most extreme environmental labeling such as bottom side circuit board and under hood automotive applications with unmatched scratch and solvent resistance.

RIBBON SPECIFICATIONS

Ink material	Resin
Color	Black
Ink thickness	1.8 ± .4 um
Substrate thickness	4.5 um

PRINTED IMAGE PERFORMANCE

Tested Substrate	Liberty 223
Abrasion Resistance Test (test method: Standardized Abrasion Test Wheel)	100 cycles @500g covered CS-10
Solvent Resistance Test (test method: Crockmeter)	Water 1000 cycles @248g covered with cloth* IPA 1000 cycles @248g covered with cloth* Kerosene 400 cycles @248g covered with cloth* Brake Fluid 300 cycles @248g covered with cloth* Gasoline 100 cycles @248g covered with cloth*
Heat Resistance	<220° C (<428° F)
Print speed range	2 to 10 IPS

RIBBON STORAGE CONDITIONS

Temperature	5° C to 35° C (41°F to 95° F)
Humidity	10% to 85% relative humidity
Light	Avoid direct sunlight

Product Performance and Suitability

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