

EXHIBIT #1

FCC/UL Label Characteristics

THERMLfilm SELECT 22940

THERMLfilm SELECT 22940 is a UL/CSA recognized, 2.0 mil gloss topcoated thermal transfer printable silver matte polyester, coated with an aggressive, permanent solvent-based acrylic adhesive, and backed with a roll form release liner.

- **THERMLfilm MM-200-SM** - 2.0 mil silver matte polyester designed for high performance label applications
- **T/C-390** – Topcoat resists smudging and abrasion when printed with super premium (resin) and premium (wax/resin) thermal transfer ribbons. Offers static dissipating properties and is fan-foldable.
- **L-344** – Aggressive, high performance permanent solvent-based acrylic adhesive.
- **S50K-8** – 50lb. Bleached Kraft release liner.

Applications:

Industrial:	UL/CSA rating plates and nameplates, materials tracking.
Automotive:	Under the hood labels/parts identification
Healthcare:	Pharmaceutical, diagnostic, and laboratory specimen tracking.

Physical Properties:

Gauge [mils (microns)]	
Film:	2.0 (51) +/- 10%
Adhesive:	0.8 - .09 (20-23) +/- 0.1 (3)
Liner:	3.1 (79) +/- 10%

Dimensional Stability:

Excellent: No measurable shrinkage observed on applied parts.
Sample applied to aluminum for 24 hours at 160 degrees F.

Chemical Resistance:
(non printed stock)

Household Cleaners:	No effect on topcoat or adhesive
Mild Acid:	No effect on topcoat or adhesive
Oil:	No effect on topcoat or adhesive
Water:	No effect on topcoat or adhesive

Adhesive Performance:

72 Hour Peel Adhesion from:

	<u>Expected Range</u>	
	<u>(oz/in)</u>	<u>(N/m)</u>
Stainless Steel	50-85	(550-935)
Acrylic	55-90	(605-990)
Glass	55-90	(605-990)
Polypropylene	35-65	(385-715)

Expected Shear (hours):

50

Exterior Durability:

Two years

Service Temp Range:

-40 F to 302 F (-40 C to 150 C)

Minimum Application Temp

50 F (10 C)

Storage Stability

Shelf life of two years when stored under conditions of 70 F
(21 C) and 50% relative humidity.