

EXHIBIT #1**FCC/UL Label Characteristics**
THERMLfilm SELECT 22940

THERMLfilm SELECT 22940 is a UL/CSA recognized, 2.0 mil gloss topcoated thermal transfer printablesilve 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:

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|---|
| 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> | |
|-----------------|-----------------------|-----------|
| | (oz/in) | (N/m) |
| 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.