



PRODUCT DATA SHEET for 2000-189

Description:

TS839P label material is an excellent choice for microwell plate labels, and related labware products. The material has excellent edge tear resistance with superior print fidelity and smudge resistance. The adhesive features high initial tack to form a tight seal to flat and curved surfaces; exposure to organic solvents DMSO, methylene chloride, methanol, ethyl acetate, ethanol; typical steam & dry autoclave cycles; exposure to 95% humidity levels at 37 degrees C; and stability through Gamma Irradiation (sterilization) up to 40 Kilograys. The adhesive works well on polypropylene & polystyrene microwell plates, treated polypropylene and polyethylene, glass, PVC, and plasticized surfaces. This material also has proven performance in multiple freeze thaw cycles from -112 F (-80 C) to room temperature. The temperatures are dependent on dwell time and the application environment.

Facestock:

Thickness: 4.2 mil White Matte Polypropylene DigiTek, Thermal Transfer, FlexTek

Adhesive:

Permanent Acrylic Emulsion 0.6 mil

Support Liner:

Thickness: 1.4 mil Polyester

Lower resistance temperature:

-65°F (-53.89°C)

Upper resistance temperature limit:

+200°F (93.33°C)

Minimum Application Temperature:

+40°F (+4.44°C)

Label Dimensions:

Height: 0.25"(6mm); Width: 2" (50mm); Gap: 0.125" (3.175mm); 2"(50mm); Span: 0.375" (10 mm)

Chemical Resistance:

DMSO, Ethanol, Ethyl Acetate, Methonol, Methylene Chloride

Automatic Application:

Yes

Storage Stability:

One year when stored at 70°F (21°C) and 40-50% relative humidity for optimal performance

FDA Compliance:

FDA 21 CFR 175.105

RoHS Compliance:

RoHS 2011-65-EU, per Supplier

Ribbon Compatibility: 1st Choice: TR611 2nd Choice: TR606 3rd Choice: TR612



The specifications provided herein are based on the information supplied by primary material manufacturer (s) and tests conducted by the manufacturer. The end-user shall independently determine the suitability of the labels for the purpose for which they were purchased.