



Paladin ID Presents PermTherm Spec Data Grid Sheet

PermTherm replaces traditional Direct Thermal and Thermal Transfer face-stocks giving sharp, durable and fade-proof images using standard thermal/barcode printers. The film has a print surface with excellent receptivity to a broad range of ink chemistries. The film is heat stable (over any period of time) up to 250°F. The image is not affected by water and is not irreversibly darkened by many volatile solvents such as IPA.

[262 - PERMTHERM DIRECT THERMAL FILM Standard Removable Adhesive](#)

A water-based, acrylic resin, general purpose removable PSA. Formulation provides clean removability from low energy surfaces. When coated to a variety of substrates, adhesive will adhere to and remove from most surfaces. Adhesive will not build to permanent adhesion over time.

Application Temperature: +40°F
Service Temperature: -20°F- 200°F

[286 -PERMTHERM DIRECT THERMAL FILM Ultra Removable Adhesive](#)

Our ultra removable adhesive is a water based adhesive dispersion developed to provide good temporary adhesion to a variety of substrates (including cold wet/damp surfaces). The formulation has been introduced as a cleaner running product on press. It exhibits good adhesion and clean long term removability from most smooth surfaces such as hard plastics, metal, glass, and paper. The adhesive is unique, however, in that it also adheres to many challenging surfaces such as Teflon, Textured PVC, and corrugated. Excellent UV resistance. Complies with FDA 21CFR 175.105.

Application Temperature: +20°F
Service Temperature: -20 to 250°F

[301 - PERMTHERM DIRECT THERMAL FILM All Temperature Permanent Adhesive](#)

An all-temperature adhesive developed to provide good room temperature performance and excellent cold temperature performance without sacrificing good die cutting and stripping properties. Because of its cold- temperature properties and good adhesion to corrugated cardboard, this an ideal adhesive for warehouse applications. This is suitable for applications where compliance with FDA 175.105 is required. This section covers applications where incidental contact between food and adhesive could occur.

Application Temperature: -20° F
Service Temperature: -65° F to +200° F

[302 - PERMTHERM DIRECT THERMAL FILM Permanent Adhesive](#)

The adhesive is a versatile, general purpose permanent adhesive designed for excellent adhesion to corrugated cardboard and superior adhesion to plastics. Excellent initial tack without sacrificing high speed converting. For use with all information printing technologies, including laser. Meets the requirements of FDA 21 CFR 175.105 for indirect food contact. Compliance to this regulation permits the use of this adhesive in applications for which the adhesive either (1) is separated from the food by a functional barrier, which will prevent the migration of any of the adhesive components to the food, or (2) has incidental contact with food limited to the trace amount at the seams or the edges of the label.

Application Temperature: +20°F
Service Temperature: -20 to 250°F