

Technomelt® PS 9129

A Hot Melt Pressure Sensitive Adhesive

Technomelt® PS 9129 is a hot melt pressure sensitive adhesive designed for general purpose paper labels.

TYPICAL APPLICATIONS

- General purpose paper labels

FEATURES

- Excellent adhesion to a wide variety of substrates
- Tailored for use in high speed die cutting applications

FDA COMPLIANCE

The dry film components comply with the compositional requirements of the FDA Indirect Food Additive Regulations:

- 21 CFR 175.105 “Adhesives”

TYPICAL PHYSICAL PROPERTIES

Solids (%)	Viscosity (cP)	Mettler Softening Point (°F)	Density (lbs/gal)
100	15,000 @ 300°F 9,500 @ 325°F 6,700 @ 350°F	175	7.8

- Appearance : Yellow solid
- Gardner color: 4
- Packaging Options:

IDH #	Package Description
1365925	Chubs: approx. 25 cm. long x 1 kg
865924	Fiber drum: 58-gal

APPLICATION GUIDE

Apply by any conventional method for high viscosity hot melts, including extrusion, slot (die) or roll. It is strongly advised that evaluations of the adhesive be carried out to determine whether the product is suitable for use under individual coater operating conditions.

Typical adhesive deposition is 0.8 to 1.2 mils for most applications. Coat at the lowest practical temperature, above 275°F, to avoid thermal degradation. (Typical coating temperature range is 300° to 350°F.) Excessive or prolonged heating should be avoided. Enclosure and blanketing of the molten adhesive with nitrogen is suggested to prevent oxidation.



ADHESIVE PERFORMANCE¹

Transfer coatings on 2 mil polyester Coating thickness Test panel	1 mil	1 mil
	SS	HDPE
180° Peel (ozf/in)		
20 minutes	91	68
24 hours	92	84
1 week @ RT	93	-
1 week @ 158°F	89	-
1 week @ 95°F/95% RH	92	-
Shear (h)		
2.2 psi @ 72°F	141	-
4.4 psi @ 72°F	17	-
Tack (ozf/in)	89	57
SAFT (°F) PET	147	-

NOTES:

1. Not to be used for setting specifications

STORAGE, HANDLING AND PRECAUTIONS

Under normal conditions, product is stable for a minimum of 24 months in unopened containers. Store drums in dry areas and keep them tightly covered to prevent contamination. Rotate stock using the oldest material first. Do not mix with any other products. Consult the Material Safety Data Sheet (MSDS) for hazardous ingredients, disposal, and related handling information.

Use product with adequate ventilation and avoid breathing of vapor. Take precautions against skin contact with the molten adhesive to prevent serious burns. Migratory materials in some face stocks and end-use substrates, e.g., vinyl films and foams, may affect performance. It is recommended that product be thoroughly tested for particular application before large-scale use is attempted.

STATEMENT OF PRACTICAL USE

As with all pressure sensitive materials, this product should be tested thoroughly under end-use conditions to ensure it meets the requirements of the specific application. Note: This product has not been assessed for medical applications.

Note

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Henkel Americas

Tel: +1.866.443.6535, Fax: +1.609.409.5699

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