

Techcryl 2431

Emulsion – Pressure Sensitive Permanent Label Adhesive

Techcryl 2431 is a tackified acrylic emulsion, which upon drying produces a pressure sensitive adhesive film. It has been formulated to provide aggressive immediate adhesion to a variety of surfaces including corrugated, cellophane, polyester, polypropylene and polyethylene. Techcryl 2431 is an excellent choice for bonding various window films into folding cartons, as it will produce a permanent pressure sensitive bond to the carton.

FDA Status

Complies with 21CFR175.105

Applications

General-purpose permanent labels, paper & film
Adhesive for applying window films to cartons
Sheet stock

Typical Properties

Total Solids	56.0 ± 1.0
Viscosity, as supplied	As Required
pH	9.0 ± 1.0
Weight per Gallon @ 23°C	8.60 lbs.
Minimum Application Temperature	30°F
Service Temperature Range	-60°F to 160°F

Web:**50# EDP**Coatweight; lb./3000 ft²

13.0

	90° Peel (oz./in.) (1)	Loop Tack (oz./in. ²) (2)
Corrugated:	22 ft	18 ft
Stainless Steel	50 pt	68
LDPE	54 pt	51
HDPE	46 pt	61
OPP	55 pt	80
Glass	43 pt	73
Shear; 1" x 1" x 1000 grams (3)		1128 cf minutes

Web:**1 mil Polyester**Coatweight; lb./3000 ft²

13.0

	180° Peel (oz./in.) (1)	Loop Tack (oz./in. ²) (2)
Corrugated:	30 ft	24 ft
Stainless Steel	44	35
LDPE	64 cf	23
HDPE	65 cf	32
OPP	73 cf	36
Glass	38	35
Shear; 1" x 1" x 1000 grams (3)		1236 cf minutes

Samples were prepared by transfer coating and drying for 2½' @ 100°C

(1) PSTC-101

(2) TLMI Loop Tack, 1 in², 12 ipm separation

(3) PSTC-107

Ft – denotes fiber tear, pt – denotes paper tear, cf – denotes cohesive failure

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