



RA-42W LOW ADHESION BACKSIDE FOR MASKING TAPES

RA-42W is a water based release coating and low adhesion backside (LAB) designed for tapes with paper as a substrate.

Provides an easy-to-moderate release from adhesives that are based on acrylic, natural rubber, SBR or SIS block copolymers. Typical tape backings used with **RA-42W** are latex-impregnated crepe and flat papers.

RA-42W are ready to use or may be diluted with water to 20-40% total solids, depending on the paper, adhesive, and coating method that you choose. Coating methods include Mayer rod, rotogravure roll, knife over roll, and various slot/roll configurations.

Recommendation for laboratory evaluation for saturated crepe is as follows: Draw down the emulsion as is, or dilute with water using a #6 Mayer rod and dry in air oven at 100-150°C for 5 minutes or until dry. Dry coating weights may be in the 1-10 g/sm range depending on the paper's porosity and degree of crepe and adhesive.

In plant scale operations, release properties develop by flashing off water at 120-175°C (250-350°F) for 2-10 seconds, depending on web speed, oven length, drying air temperature and velocity, and oven configuration.



TYPICAL PROPERTIES	
APPEARANCE	MILKY LIQUID
TOTAL SOLIDS	40-42%
pH	8

UNWIND ADHESION VALUE - g/2"(5cm) BASED ON PREMIUM OPP PACKING TAPE WITH SIS-BASED PSA	
GREEN (OFF-SLITTER)	EASY - 300
AGE 150°F (65°C) FOR 72 HR	MODERATE - 450
AGE 120°F (49°C) AT 90% RH FOR 72HR	MODERATE - 400
SHELF STORAGE 12 MONTHS	MODERATE - 400

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