



RA-44W

LOW ADHESION BACKSIDE FOR MASKING TAPES

RA-44W is a water based release coating, a low adhesion backside (LAB), designed for tapes with paper a substrate.

It is effective for providing an easy to moderate release from adhesives based on acrylic, natural rubber, SBR and SIS block copolymers. Typical tape backings used with **RA-44W** are latex-impregnated crepe and flat papers.

RA-44W may be used as shipped or may be diluted with water to 20-40% total solids, depending on the paper, adhesive, and coating method. 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 5-10 g/sm range.

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
VISCOSITY	200 cps

UNWIND ADHESION VALUE - g/2"(5cm) BASED ON TYPICAL MASKING TAPE

GREEN (OFF-SLITTER)	EASY - 230
AGE 150°F (65°C) FOR 72 HR	MODERATE - 360
AGE 120°F (49°C) AT 90% RH FOR 72HR	MODERATE - 340
SHELF STORAGE 12 MONTHS	MODERATE - 360

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