



ROBOND™ PS-9650 Adhesive

Pressure Sensitive Adhesive for Specialty Tapes

Regional Product Availability

- Europe, Middle East and Africa

Description

ROBOND™ PS-9650 Adhesive is an aqueous dispersion polymer for specialty tape applications that require high coating weights.

Typical Applications

- General purpose single tape (e.g., aluminum foil, PET, PE, fabric, ...)
- General purpose double side tape (e.g., mounting and laminating tapes based on foam, film, non woven, tissue, ...)
- Other potential application; e.g., over laminating, labels

Note: Not suitable for plasticized PVC; we recommend to verify by appropriate tests.

Key Features

Coating	Excellent transfer or direct coating via roll, meyer bar, and slot die Excellent for high coating weight applications
Adhesive	High peel and tack moderate shear
Converting	Clean slitting and die cutting
Ageing	Excellent UV stability
Packaging	Bulk, 1000 kg container

Typical Physical Properties

(These properties are typical but do not constitute specifications.)

Property	Value
Appearance	Milky white liquid
Solid content %	55
pH	9.0
Brookfield viscosity RVT mPa.s	3000
Density	1.03
Tg	-41°C
Freeze/thaw	Protect from freezing
Particle charge	Anionic
Shelf life	6 months

Typical Adhesive Properties

(These properties are typical but do not constitute specifications.)

Test conditions **Either 30 or 50 g/m² dry adhesive transfer coated onto 25 µm PET.**

Peel adhesion FTM-1 (N/25 mm)			
		30 g/m ²	50 g/m ²
On stainless steel	20 min	11 CF	18 CF
	24 h	23 AFB	30 AFB

Loop Tack FTM-9 (N/625 mm ²)			
On stainless steel		11 AF	15 AF

Shear Resistance FTM-8 (h)			
On stainless steel (1 kg – 1 inch ²)		55 CF	62 CF

AF: Adhesive Failure

CF: Cohesive Failure

AFB: Adhesive Failure from backing

Recommended Operating Guidelines

- Stir prior to use;
- Use low shear pump;
- Filter (>50 µm);
- When filling the storage tank, do not allow the emulsion to free-fall in order to avoid foam generation;
- Clean with water and soap;
- Keep product from drying.

Compliance

APEO's (Alkyl Phenol Ethoxylates) is not intentionally added to Dow adhesive products. Therefore, to the best of Dow's present knowledge, APEO's are not present in the final product composition, unless at trace levels (\leq ppm), as an unknown impurity from the raw materials.

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