

ROBOND™ L-100 / CR 9-101 Laminating Adhesive

[This is an abbreviated version of the technical data sheet. Please contact us for the complete version.]

Description

ROBOND L-100 is designed for use as either a one-component or a two-component, VOC compliant, waterborne adhesive for laminating flexible substrates. As the next generation segment in the ROBOND family of dry bond laminating adhesives, ROBOND L-100 builds on the versatility of ROBOND L-90D to deliver improved shear strength, heat, and chemical resistance when combined with CR 9-101. The CR 9-101 coreactant must be used at the recommended mix ratio to achieve the desired higher performance properties. Alcohol-free reduction, high clarity, lower nip temperature, and low foam are important advantages of the ROBOND L-100/CR 9-101 adhesive system.

Typical Properties

These properties are typical but do not constitute specifications.

	ROBOND L-100	CR 9-101
Solids	44%	100%
Solvent	None	None
Mix Ratio, pbw	100	2.0
Wet Appearance	Milky White	Colorless to Light Yellow
Dry Appearance	Clear and Transparent	
Shelf Life, 77°F (25°C)	420 days (unopened containers)	360 days (unopened containers)

Typical Uses

The principal uses for ROBOND L-100/CR 9-101 are to laminate a variety of substrates including treated polyolefins (minimum 38 dynes/cm²), PVDC coated substrates, metallized films, nylon and treated polyesters. These laminations are intended for snack foods, dry food, condiment and other medium performance packaging. Other application uses are possible, subject to performance trials and testing.

Mixing

MIX WELL BEFORE USING.

If needed, Adcote™ 7T11 or Foamaster™ O (Cognis) may be used at levels of 0.05-0.10% on a wet/wet basis to control foam. See data sheet for Adcote 7T11.

It is necessary that the CR 9-101 coreactant be added to the ROBOND L-100 adhesive with agitation. Prior to adding the CR 9-101, use a mechanical mixer to stir the ROBOND L-100 with enough speed until a vortex is formed, assuring that the adhesive is drawn from the sides and bottom of the mixing vessel. Slowly charge the appropriate amount of coreactant at the edge of the vortex and continue mixing for 5 minutes.

Safety, Handling and Storage

- Store in cool, dry, well ventilated area. Protect from freezing.
- Follow good manufacturing and handling practices.
- Wash thoroughly after handling. Wash contaminated goggles, face shield, and gloves. Professionally launder contaminated clothing before re-use.
- ATTENTION! Container can be hazardous when empty. Follow label warnings even after container is empty. Do not reuse empty container without professional cleaning.
- Refer to Material Safety Data Sheet for more information.

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