



MOR-FREE™ ELM 415A ADHESIVE/CR 88-101

ELM Low Monomer Adhesive System

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

Description and Features

MOR-FREE ELM 415A + CR 88-101 is a solventless, two component, polyurethane adhesive system which is uniquely suitable for laminating metallized film or aluminum to flexible substrates, as well as for laminating polyester, polyethylene, and other packaging substrates, unprinted or reverse printed. Preheating the adhesives is not required for most applications. This adhesive system contains less than 0.1% of monomeric TDI.

Typical Properties

These properties are typical but do not constitute specifications.

| | (Isocyanate) Adhesive MOR-FREE ELM 415A | (Polyol) Coreactant CR 88-101 |
|--------------------------------------|---|-------------------------------------|
| Solids | 100% | 100% |
| Appearance | Clear, amber | Clear |
| Mixing Ratio | 100 pbw 100 pbv | 35 pbw 38 pbv |
| Shelf Life* (unopened containers) | 540 days | 360 days |

*Store in tightly closed container in cool, dry place.

MOR-FREE ELM 415A + CR 88-101 may react or interact with other components of laminations. Retained volatiles (solvents or water), slip additives, antiblock agents and inks are some of the components that may cause property changes of the laminated structure. If MOR-FREE ELM 415A + CR 88-101 is used on high slip films (COF < 0.2) or with high slip LDPE/LDPE laminations, then the user must verify that potential film property changes, due to the lamination process and materials, are acceptable for the end use performance requirements.

Processing

MOR-FREE ELM 415A + CR 88-101 must be used on machines which have been specially designed for solventless laminations. Such equipment allows the adhesive to be fed through a meter/mix/dispense device and provides web tension controls designed for adhesives with low initial tack.

Safety, Handling and Storage

MOR-FREE ELM 415A + CR 88-101 can be stored for 360 days in airtight, closed, original containers in dry rooms at temperatures of 70° ± 15°F. Opened containers should be used as quickly as possible.

- Store in cool, dry, well ventilated area away from heat and ignition sources. Keep container tightly closed.
- 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 re-use empty container without professional cleaning.
- Refer to Material Safety Data Sheet for more information.

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