

DEHESIVE[®] PSA 820 L



Pressure Sensitive Adhesives

DEHESIVE[®] PSA 820 L is a solvent-based, addition-curing Silicone Pressure Sensitive Adhesive intended in particular for coating on films but also for other substrates.

Properties

Low and stable adhesion force
Strong hardness of cured layer
Excellent cure performance
High flexibility
Good resistance to moisture, weathering and aging
Excellent wetting performance

Specific features

- Solvent-based

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	clear, colorless	-
Content of active agent	-	30 %	-
Viscosity, dynamic	-	approx. 20000 mPa·s	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be downloaded via WACKER web site <http://www.wacker.com>.

Applications

- Silicone PSA

Application details

DEHESIVE® PSA 820 L is a general purpose Silicone PSA for low adhesion level.

In combination with DEHESIVE® PSA 845 T, the adhesion force can be adjusted to higher levels.

Processing

DEHESIVE® PSA 820 L is a thermal-curing system that cures at a web temperature of 100 – 200 °C.

The cure speed depends on formulation (e.g. the amount of Pt-catalyst, type of substrate, setting temperature and effectiveness of the oven).

DEHESIVE® PSA 820 L can be diluted in solvent such as toluene or mixture of toluene/ethyl acetate or toluene/MEK.

The addition of ~1% (w/w) Catalyst PT 5 is required for DEHESIVE® PSA 820 L.

Adhesion promoter can be added to the formulation in case of anchorage performance has to be improved.

Care must be taken to ensure the absence of catalyst poisons in the system. Common poisons are organotin compounds, sulfur compounds (a common source are rolls that have been vulcanized with sulfur), amines, acid amides, zinc stearate and phosphates.

The quality of the coating compound can be ensured by using clean vessels of stainless steel, enamel, plastic or glass to prepare the batch.

Batches of coating compound must be prepared in the order given below.

1. First pour in DEHESIVE® PSA 820 L
2. Add DEHESIVE® PSA 845 T (optionally)
3. Add solvent and stir slowly until the mixture is homogeneous
4. Add Adhesion Promoter (optionally)
5. Slowly stir in catalyst (local over-concentrations must be avoided)

Packaging and storage

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable.

In this case however, the properties required for the intended use must be checked for quality assurance reasons.

QR Code DEHESIVE® PSA 820 L



For technical, quality or product safety questions, please contact:

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