

DEHESIVE[®] 811



Functional Silicone Fluids

DEHESIVE[®] 811 is a solvent-based condensation curing silicone recommended for release coatings.

Properties

- low COF
- good release stability after post cure
- good bath life
- excellent anchorage to a wide variety of substrates
- excellent anchorage to polyester films
- suitable for coating PP and PE films and PE-coated paper

Specific features

- Polymer
- Solvent-based

Technical data

General Characteristics

Property	Condition	Value	Method
Solid content	-	30 %	-
Density	25 °C	0.9 g/cm ³	-
Flash point	-	6 °C	DIN 51755
Ignition temperature (liquids)	-	> 280 °C	DIN 51794
Viscosity, dynamic	-	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

- Release Coatings

Application details

DEHESIVE® 811 may be used for coating of PE-laminated paper, polyester films (PET) and papers.

Processing

Generally DEHESIVE® 811 is diluted to give a formulation with an active substance content of about 5 %. However, depending on the substrate and coater system, DEHESIVE® 811 may be used with lower or higher active substance contents.

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

1. First pour in DEHESIVE® 811
2. Add solvent and stir slowly until the mixture is homogeneous
3. Thoroughly stir in Crosslinker V 24 to this mixture
4. Thoroughly stir Crosslinker V 84 to this mixture
5. Slowly stir in catalyst C 80

Suitable solvents are aliphatic and aromatic hydrocarbons (e.g. toluene, white spirit), esters and ketones.

The cure speed depends on the formulation, type of substrate, quality of solvent, the chosen temperature and the effectiveness of the oven.

Laboratory trials are recommended prior to using the material in production in order to verify that the vulcanization performance suits the intended application.

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.

Safety notes

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

QR Code DEHESIVE® 811



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

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