

DEHESIVE[®] 953



Vinylpolymers

DEHESIVE[®] 953 is a solvent-based addition crosslinkable silicone recommended for release coatings.

Properties

- fast curing
- low release at low peel speeds
- good release stability
- good bath life
- suitable for coating PP and PE films and PE-coated paper

Specific features

- Polymer
- Solvent-based

Technical data

General Characteristics

Property	Condition	Value	Method
Viscosity, dynamic	25 °C	approx. 1200 mPa·s	-
Solid content	-	approx. 55 %	-
Density	-	0.92 g/cm ³	-
Flash point	-	4 °C	DIN 51755
Ignition temperature	-	> 500 °C	DIN 51794

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.

Applications

- Release Coatings
- Tapes & Electronics

Application details

DEHESIVE® 953 may be used for coating of PE-laminated paper and papers. It is particularly recommended for coating of thermoplastic films such as PE and PP.

Processing:

Generally DEHESIVE® 953 is diluted to give a formulation with an active substance content of about 5 %. However, depending on the substrate and coater system, DEHESIVE® 953 may be used with lower or higher active substance contents. Special care must be taken to select a high quality solvent that will not poison the Pt-catalyst. Common poisons are organo-tin compounds, sulfur compounds (a common source are rolls that have been vulcanized with sulfur), amines, acid amides, zinc stearate and phosphites. 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 DEHESIVE® 953 in several portions and stir slowly until the mixture is homogeneous
2. Add solvent and stir slowly until the mixture is homogeneous
3. Add CRA® release modifier in case CRA® is used and stir slowly until the mixture is homogeneous
4. Thoroughly stir in Crosslinker to this mixture
5. Slowly stir in catalyst.

Local over-concentrations must be avoided.

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

The cure speed depends on the formulation (e.g. the amount of catalyst), 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® 953



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
info@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.