

Product Information

TEGO® RC 1930

PRODUCT DESCRIPTION

TEGO® RC 1930 is a one-component silicone release coating with 2% TEGO Photoinitiator A18. It is a solvent-free, UV-curable silicone acrylate release coating that requires UV curing under a nitrogen atmosphere with less than 50 ppm residual oxygen in the curing chamber.

Typical Properties

Property	Unit	Value
Activity	%	100
Appearance		opaque
Color		white to beige
Density DIN 51757	g/cm ³	1.01-1.09
Flash Point, min. DIN EN ISO 2719	°C	194
Viscosity DIN 53019 at 25 °C	mPa·s	300-800

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGO® RC 1930 is a release coating for use on thermal papers in linerless applications. It provides barrier properties, enabling the use of non-coated thermal papers. It offers long-term stable release properties and excellent compatibility with adhesives. This product ensures excellent barrier function, good cross-linking, and strong anchorage on the paper. It provides stable release properties over time and shows good compatibility with adhesives used for linerless labels.

BENEFITS & ADVANTAGES

TEGO® RC 1930 is a ready-to-use one-component release coating with 2% TEGO Photoinitiator A18. It is easy to handle and offers excellent barrier properties, making it suitable for both coated and uncoated thermal papers.

TEGO® RC 1930 provides low release force values with common adhesives, low surface friction for optimal ther-

mal printing performance, and good anchorage properties on various substrates.

DOSAGE

TEGO® RC 1930 can be used directly as it is a ready-to-use mixture. However, it should be noted that the mixture remains stable only for a limited time and will separate if left standing for too long. **Therefore, it is important to stir the entire contents of the drum well before removing any material.** To facilitate this, TEGO® RC 1930 is packaged with extra headspace

HANDLING & PROCESSING

Suitability tests

Before using any new silicone formulation, we recommend checking that the final product meets the target requirements. This includes but is not limited to

- Compatibility of release coating against targeted adhesives using aging tests at both low and high temperatures
- The influence of electron beam or Gamma irradiation on aging and release, e.g. sterilization
- The influence of secondary UV exposure on release and aging, e.g. when curing UV printing inks on label stock with a clear face stock
- Thermal aging or post-irradiation may cause a property change in the final product

PACKAGING

20 kg (44 lbs) filled in PE open-head drums 30 l

Pallet size: 8 x 20 kg : 160 kg

175 kg (385 lbs) in steel tight-head drum 200 l

Pallet size: 4 x 175 kg = 700 kg

800 kg (1764 lbs) filled in PE IBC 1000 l

STORAGE

To ensure optimal storage stability, it is recommended to store TEGO® RC 1930 in a dark place at temperatures below 30°C (86°F). When stored under these conditions

in its original, sealed container, TEGO® RC 1930 has a storage stability of 12 months.

The bath life of TEGO® RC 1930 can be as long as the storage stability if it is handled properly. It is highly recommended to stir the blend before use and to conduct a test using the material again.

HAZARDOUS SUBSTANCE

Information concerning:

- Classification and labelling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological effects

is given in our material safety data sheets.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH

Interface & Performance
Goldschmidtstraße 100
45127 Essen, Germany
Phone Europe +49 201 173-2665
Phone Asia +86 21 61191 125
Phone Americas +1 804 727 0700
interface-performance@evonik.com
evonik.click/interface-performance