

Product Information

TEGO® RC 702

PRODUCT DESCRIPTION

TEGO® RC 702 is a solvent-free, UV curing silicone acrylate release coating for easy release applications.

Typical Properties

Property	Unit	Value
Activity	%	100
Appearance		slightly opaque
Color		beige, yellowish, greenish, purple-grey
Flash Point, min. DIN 51758	°C	101
Specific Gravity at 25°C	g/ml	1.0
Viscosity at 25°C DIN 53018	mPa·s	550-900

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGO® RC 702 is used for the manufacturing of release coatings with easy release properties for self-adhesive products for instance:

- Pressure sensitive adhesive labels
- Self-adhesive tapes
- Hygiene products
- Adhesive transfer products

BENEFITS & ADVANTAGES

TEGO® RC 702 is easy to use, requiring no blending or mixing. TEGO® RC 702 can be used on both film substrates and standard base papers.

DOSAGE

TEGO® RC 702 provides good anchorage to many substrates i.e. plastic films and papers. There is no addition of TEGO® RC 711 necessary. TEGO® RC 702 will remain a stable mixture. There is no separation on standing. No agi-

tation prior to use is necessary. Organic acrylates can be added to improve anchorage to difficult substrates. Please test blend stability and release properties carefully when using organic acrylates in TEGO® RC 702. Controlled increase of the release value is possible by adding TEGO® RC 800 together with TEGO® RC 711. The necessary addition level depends on the individual application. All blends with controlled release additives need to be stirred prior to application. The bath life of TEGO® RC 702 can be as long as the storage stability if it is handled properly.

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

25 kg (55 lbs) filled in PE canisters 30 l

Pallet size: 12 x 25 kg : 300 kg (660 lbs)

200 kg (440 lbs) in steel tight-head drum 200 l

Pallet size: 4 x 200 kg = 800 kg

1000 kg (2200 lbs) filled in PE IBC 1000 l

SHELF LIFE

It is recommended that TEGO® RC 702 is stored in the dark, at temperatures not exceeding 30°C (86 °F). Under these conditions, the storage stability of TEGO® RC 702 is 12 months (subject to storage in original, sealed containers).

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