

Product Information

TEGO® RC 800

PRODUCT DESCRIPTION

TEGO® RC 800 is a solvent-free silicone acrylate for paper and film release coatings. It is used as an additive to help provide controlled and tight release values in combination with either TEGO® RC 715/ TEGO® RC 722 or TEGO® RC 902/ TEGO® RC 722.

Typical Properties

Property	Unit	Value
Activity	%	100
Appearance		clear to slightly turbid
Color		amber
Flash Point, min.	°C	100
DIN EN 22719		
Specific Gravity	g/ml	1.0
at 25°C DIN 51757		
Viscosity	mPa·s	300-600
at 25 °C DIN 53015		

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGO® RC 800 is used for the manufacture of release coatings with controlled release properties for self-adhesive products, e. g.

- Self-adhesive labels
- Self-adhesive tapes
- Hygiene products
- And many more

BENEFITS & ADVANTAGES

- TEGO® RC 800 is a tight and controlled release component that provides simple processing, fast reaction time and good aging properties
- Release coatings prepared with TEGO® RC 800 exhibit smooth release behaviour, consistent release values over a wide range of stripping speeds and are especially well suited for achieving differential release properties

HANDLING & PROCESSING

TEGO® RC 800 may be cured with ultraviolet radiation (UV) by adding a suitable photoinitiator. We recommend 2% TEGO® Photoinitiator A18 and medium pressure mercury UV lamps with nitrogen inerting. It may also be cured by means of electron beam.

Suitability tests

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

- Compatibility of release coating against tar-geted 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) in PE canister 30 l

Pallet size: 12 x 25 kg = 300 kg

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

Pallet size: 4 x 200 kg = 800 kg

1000 kg (2 200 lbs) in PE IBC 1000 l

SHELF LIFE

It is recommended that TEGO® RC 800 is stored in the dark at temperatures not exceeding 30°C (86 °F). Under these conditions, when stored in the original, closed containers the storage stability of TEGO® RC 800 is 12 months.

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.

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