

Product Information

TEGO® RC 1200

PRODUCT DESCRIPTION

TEGO® RC 1200 is a solvent-free, UV curing silicone acrylate release coating. It is designed for easy release applications.

It is a "ready-to-use" one-component blend including TEGO® Photoinitiator A18.

UV curing of TEGO® RC 1200 requires inerting by nitrogen (< 50 ppm residual oxygen in the curing chamber).

Typical Properties

Property	Unit	Value
Activity	%	100
Appearance		opaque
Color		beige
Flash Point, min.	°C	101
DIN EN 22719		
Specific Gravity	g/ml	1
at 25°C DIN 51757		
Viscosity	- 800 mPas	400
at 25 °C DIN 53019		

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGO® RC 1200 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 1200 can be used on filmic and paper based substrates offering the advantage of a ready-to-use blend.

TEGO® RC 1200 is used in the manufacturing of release coatings with easy release properties.

For example: Self-adhesive labels, self-adhesive tapes, hygiene products and others.

DOSAGE

TEGO® RC 1200 can be used as supplied as it is a ready-to-use blend. However, it should be noted that the mixture will only remain stable for a limited time and will separate on standing. Therefore, it is important to stir the entire content of the drum well before removing any material. To facilitate this, TEGO® RC 1200 is packaged with extra headspace to enable ease of stirring.

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 ageing 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 ageing or post-irradiation may cause a property change in the final product

PACKAGING

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

Pallet size: 8 x 20 kg : 160 kg

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

Pallet size: 4 x 175 kg : 700 kg

STORAGE

The bath life of TEGO® RC 1200 can be as long as its storage stability if handled properly. We highly recommend stirring the blend before use and conducting a test using the material again

SHELF LIFE

It is recommended that TEGO® RC 1200 be stored in a dark location at temperatures not exceeding 30°C (86°F). Under these conditions, the storage stability of TEGO® RC 1200 is 12 months when stored 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.

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