

Product Information

TEGO® RC 715

PRODUCT DESCRIPTION

TEGO® RC 715 is a solvent-free silicone acrylate for paper and film release coatings. This product is complementary to our standard system and is used to provide easy to controlled release values.

Typical Properties

Property	Unit	Value
Activity	%	100
Appearance		Clear
Volatile Content, max.	wt%	1
Color		Colorless, grey, yellow
Flash Point, min.	°C	101
DIN EN 22719		
Specific Gravity	g/ml	1.0
at 25°C DIN 51757		
Viscosity	mPa·s	90-200
at 25 °C DIN 53015		

The data represents typical values (no product specification)

DOSAGE

TEGO® RC 715 is mainly utilized for UV curing (after adding a suitable photoinitiator). To ensure proper adhesion on all surfaces, it is recommended to add 30% of TEGO® RC 711 or 15% of TEGO® RC 722. This amount will not affect the premium/easy release value. Higher amounts of TEGO® RC 711 or TEGO® RC 722 can lead to increased release values. The required amount depends on the adhesive being used. The viscosity of TEGO® RC 715 can be reduced by applying it at elevated temperatures.

Blends of TEGO® RC 715 and other TEGO® RC products will only remain stable for a limited time and will separate on standing. Therefore, it is important to stir after blending and during the coating process.

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

TYPICAL APPLICATIONS

TEGO® RC 715 is used for the manufacturing of release coatings with easy to controlled release properties for self-adhesive products, like e. g.:

- Self-adhesive labels
- Self-adhesive tapes
- Hygiene products

BENEFITS & ADVANTAGES

TEGO® RC 715 offers the ability to control release values, especially in the easy to controlled release range." Additionally, the low viscosity of TEGO® RC 715 is beneficial for coating systems with gravure roller coating.

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 715 is stored in the dark at temperatures not exceeding 30°C (86 °F). Under

these conditions, the storage stability of TEGO® RC 715 is 24 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.

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