

# Silcolease® UV RCA 275

October 2017

## UV Silicone CRA-Minus Release Modifier

**Description** **Silcolease® UV RCA 275** UV silicone CRA-minus release modifier is a 100% reactive release coating component based on epoxy-silicone copolymer technology. This release modifier has been very specifically designed for optimum surface activity and exhibits very low polarity and surface tension similar to high molecular weight dimethyl silicones.

When blended at levels of 1-6% into the **Silcolease® UV POLY 200** UV silicone polymer release coating system, it effectively acts as a low release Controlled Release Additive (CRA-minus). **Silcolease® UV RCA 275** modified silicone release chemistries result in smoother coatings with often dramatically reduced release zippiness against very aggressive adhesives. Rapid and stable cure with excellent anchorage to paper and film is achieved by simply passing the coating under high-intensity ultraviolet light (medium pressure mercury vapor bulbs).

### Typical Properties

<u>Product Properties</u>	<u>Value</u>
• Appearance	Clear liquid
• Volatile Content	2.0 % maximum
• Viscosity, cps	1500 - 3500
• Color, APHA	100 maximum
• Colorimetric pH	6 - 7

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of Silcolease® silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

### Safety

Please consult the Safety Data Sheet for **Silcolease® UV RCA 275**. The information within the Material Safety Data Sheet should not be interpreted as the sum total of all the protective measures to be taken when using a radiation curable silicone system. Standards of ventilation, toxicity, and fire prevention should be consulted to adequately utilize the data contained in the MSDS. Consult your Elkem Silicones Sales or Technical Service Representative for additional Product Stewardship information. DO NOT reuse these containers.

### Storage and shelf life

**Silcolease® UV RCA 275** has a 1 year shelf life from the date of manufacture when stored in its sealed, original container. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications. Once opened, all containers should remain capped whenever not in actual use.

### Packaging





**Silcolease® UV RCA 275** is available in 20 kg containers.

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