

SILCOLEASE® UV POLY 120

UV Cure Single Component Acrylate Silicone System

Description

SILCOLEASE® UV POLY 120 UV cure silicone system is a 100% reactive “ready to use” release coating chemistry based on silicone-acrylate copolymer technology. It is specially designed to produce easy release performance.

When applied using standard solventless coating or printing techniques, **SILCOLEASE® UV POLY 120** will impart a release surface on a wide variety of papers and films, and against a wide range of pressure sensitive adhesive materials. 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).

Features

- Coater-ready chemistry
- Instant cure response
- Stable easy release performance
- Suitable for coating over print

Benefits

- No weighing or mixing errors
- No multiple step material transfers
- Simplified inventory control
- Improved process efficiency
- Improved product consistency

Typical Properties

Product Properties

- Appearance
- Volatile Content
- Viscosity, cps
- Flash Point, °F, Closed Cup

* - coated product is colorless at typical coating thickness

Value

Amber liquid*
2.0 % maximum
800 - 1200
>200

NOTE: The typical properties listed are not intended for use in preparing specifications for any particular application of **Silcolease®** brand material. Please contact Technical Service for assistance in writing specifications.

Instructions for Use

SILCOLEASE® UV POLY 120 must be cured in an oxygen deficient atmosphere, preferably < 50 ppm O₂. Stirring the container contents prior to use is recommended. Coating application methods include flexography, 3-roll offset and direct gravure, and 5-roll offset.

Storage and shelf life

SILCOLEASE® UV POLY 120 when stored in its original sealed container has a 6 month shelf life from the date of manufacture. Beyond this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications. After opening, containers should remain capped when not in use.

Safety





Please consult the Safety Data Sheet (SDS) for **SILCOLEASE® UV POLY 120**. The information within the SDS 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 SDS. DO NOT reuse these containers.

Packaging

SILCOLEASE® UV POLY 120 is available in 20-kg pails and 200-kg drums.

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SILCOLEASE[®] UV POLY 120

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Warning to users

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