

Silcolease® UV Poly 206

UV/EB “Monocomponent” Epoxy Silicone System

| Description | <p>Silcolease® UV Poly 206 UV/EB “Monocomponent” silicone system is a 100% reactive “ready to use” release coating chemistry based on epoxy-silicone copolymer technology. It consists of an optimized “low release” pre-blend of UV/EB silicone polymer and UV/EB CRA-minus release modifier and UV/EB photoinitiator.</p> <p>When coated using standard solventless coating techniques, the Silcolease® UV Poly 206 “Monocomponent” silicone system is intended for use as a release surface on a wide selection of papers and films, and against a wide range of 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) or electron beam irradiation.</p> | | | | | | | | | | | | | |
|--|---|--|---------------------------|--------------|--------------|--------------|--------------------|---------------|------------------|-----------|----------------|-------------|-------------------|-------|
| Features | <ul style="list-style-type: none"> • Coater-ready chemistry • Improved “immediate” UV/EB cure response • Release performance | | | | | | | | | | | | | |
| Benefits | <ul style="list-style-type: none"> • No mixing errors • No chemical handling • Easy inventory control • Process consistency • Improved product quality • Enhanced right-off-the-coater degree-of-cure • Minimized “backside transfer” to the liner • Improved “tandem coating” release stability | | | | | | | | | | | | | |
| Typical Properties | <table border="1"> <thead> <tr> <th data-bbox="375 1104 618 1136"><u>Product Properties</u></th> <th data-bbox="1089 1104 1162 1136"><u>Value</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="375 1140 537 1171">• Appearance</td> <td data-bbox="1052 1140 1187 1171">Clear liquid</td> </tr> <tr> <td data-bbox="375 1173 581 1205">• Volatile Content</td> <td data-bbox="1044 1173 1235 1205">2.0 % maximum</td> </tr> <tr> <td data-bbox="375 1207 553 1239">• Viscosity, cps</td> <td data-bbox="1068 1207 1187 1239">300 - 400</td> </tr> <tr> <td data-bbox="375 1241 553 1272">• Color (APHA)</td> <td data-bbox="1052 1241 1219 1272">100 maximum</td> </tr> <tr> <td data-bbox="375 1274 574 1306">• Colorimetric pH</td> <td data-bbox="1101 1274 1154 1306">6 - 7</td> </tr> </tbody> </table> | | <u>Product Properties</u> | <u>Value</u> | • Appearance | Clear liquid | • Volatile Content | 2.0 % maximum | • Viscosity, cps | 300 - 400 | • Color (APHA) | 100 maximum | • Colorimetric pH | 6 - 7 |
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| NOTE: When establishing product specifications, contact Bluestar Silicones for technical assistance. | | | | | | | | | | | | | | |
| Regulatory | <p>Silcolease® UV Poly 206 when properly used is currently permitted for indirect food contact under Sections 21CFR175.320, 21CFR176.170 and 21CFR176.180 of the Federal Register. A Technical Service Representative should be consulted for information on proper use and curing conditions.</p> | | | | | | | | | | | | | |
| Storage and shelf life | <p>Silcolease® UV Poly 206 when stored in its original sealed container has a 9 month shelf life from the date of manufacture. Beyond this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications. Once opened, all containers should remain capped whenever not in actual use.</p> | | | | | | | | | | | | | |
| Safety | <p>Please consult the Material Safety Data Sheet (MSDS) for Silcolease® UV Poly 206. The information within the MSDS 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. DO NOT reuse these containers.</p> | | | | | | | | | | | | | |
| Packaging | <p>Silcolease® UV Poly 206 is available in 20-kg, 200-kg, and 1000-kg containers.</p> | | | | | | | | | | | | | |

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Silcolease[®] UV Poly 206

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Warning to the users

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