Chemlok® 3Stream

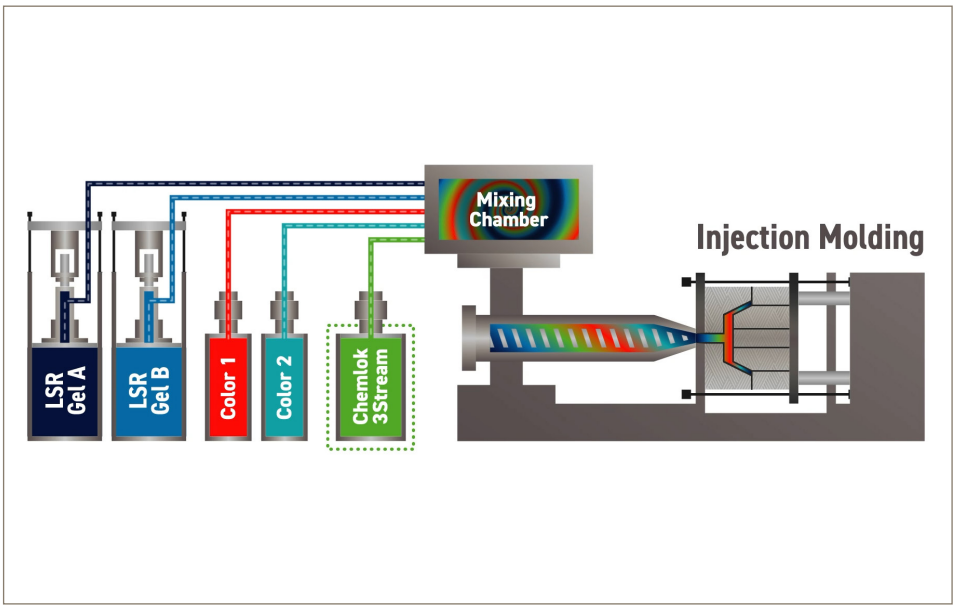
Silicone Rubber Adhesion Additive

Chemlok® 3Stream (3S) is an adhesion promoting additive that can impart self-bonding properties to standard Liquid Silicone Rubber (LSR) and High Consistency Rubber (HCR).

Chemlok 3S provides proven bond strength to thermoplastics, metals and textiles, including: PA, PBT, aluminum, steel, nickel and many more.

For LSR, Chemlok 3S is designed to be third-streamed via a standard colorant pump at 0.5-1.5 wt% to LSR allowing molders to eliminate the application of primers or the use of expensive self-bonding LSRs.

For HCR, use a standard two-roll mill to introduce Chemlok 3S during the compounding or freshening process at 0.5-1.5 wt% to HCR without giving up quality or performance.



Benefits:

- **Raw Material Cost Savings** – save up to 50% compared to self-bonding LSRs
- **Excellent Performance** – achieve rubber-tearing bonds without impacting LSR properties
- **Increase Design Flexibility** – compatible with a wide array of silicone grades and durometers from leading silicone manufacturers
- **Supply Chain Improvement** – utilize Chemlok 3S with standard silicones, ensuring greater availability, flexibility and shorter lead times of essential raw materials
- **Manufacturing Improvement** – eliminate solvents and labor costs associated with traditional primer/adhesive systems
- **Medical Use** – formula passes ISO 10993-5* cytotoxicity and ISO 10993-10* skin irritation testing

*It is the responsibility of the user to determine that the final product complies with the ISO 10993 requirement.

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Physical Properties**:

Chemlok 3S Additive	
Appearance	Clear to Light Amber Liquid
Specific Gravity	1.07 g/cm^3
Viscosity	25 cps
Flash Point	> 93°C
Refractive Index	1.46
Curing Range	150°C - 200°C

**Data based on pre-production samples and should not be used for specification purposes.