

Rubber Cleaning Sheets

- Low torque, suitable for intricate cavities and air vents
- No mold abrasion and corrosion
- Little odor and fumes



CHEMLINQ™ RCS 550 rubber cleaning sheets are formulated to effectively remove EMC-related contaminants from mold surfaces. Specifically designed for the semiconductor industry, these sheets are ideal for cleaning molds used in the production of ICs, diodes, transistors, and LEDs.

During the molding and curing process, **CHEMLINQ™ RCS 550** applies high pressure and conforms well to the mold surface. Its excellent flow characteristics and cleaning efficiency allow it to reach and clean mold corners, thin gate areas, air vents, and other intricate mold features. **CHEMLINQ™ RCS 550** also fills complex shapes and micro-sized mold cavities without incomplete fill issues. It does not require lead frames nor preheating during mold cleaning, further streamlining the cleaning process.

Specifications

Property	Value	Unit
Appearance	Solid, white strips	–
Specific Gravity	1.12–1.22	–
Minimum Torque	0.7±0.1	N·m
Maximum Torque	5±0.2	N.m
Solubility	Insoluble in water	–
Dimension	Customizable	–

Recommend Processing Parameters

Parameter	Value	Unit
Curing Temperature	160 – 190	°C
Curing Temperature	300 – 500	s
Mold Clamp Pressure	30 – 150	ton

Instructions for Use

1. Place the strips on the mold following the standard operating procedure. Strip quantity depends on the mold dimension. If the rubber flow does not cover all cavities, add more rubber strips.
2. Clamp the mold and compress to fill all the cavities. Adjust the cure time based on the mold machine settings.

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Cure time depends on the mold temperature. Higher mold temperatures generally require a shorter cure time, and vice versa.

- Cure time at 165 °C = approx. 420 s
 - Cure time at 175 °C = approx. 300 s
3. After cleaning, unload the rubber sheets and inspect them for any remaining impurities. Assess the condition of the mold press to ensure it is in proper working order.
 4. Repeat the process until the desired cleaning result is achieved. Typically, 3 to 6 shots are required, depending on the mold conditions.

Caution for Use

Use the product in a well-ventilated area. Avoid touching hot cured rubber with your skin. Always follow safety guidelines and wear protective equipment when handling. For more safety information, check the Material Safety Data Sheet (MSDS).

Storage and Handling

CHEMLINQ™ RCS 550 is packaged in PE bags. Store the product in a cool (temperature <30 °C), dark place, away from direct sunlight. The shelf life is 6 months when stored at 30 °C and 12 months below 25°C. Keep the container sealed to prevent moisture contamination when not in use. Reseal the bag immediately after each use.

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