

## Melamine Cleaning Tablets

- Excellent Workability
- Minimal Odor
- Enhanced Mold Lifespan and Minimized Downtime

**CHEMLINQ MCL-C12** is a compression-molding mold cleaning compound tablet composed of melamine resin, silica filler, and other additives. It effectively removes organic and inorganic residues and stains from metal mold dies. The material not only enhances the lifespan and efficiency of metal molds but also minimizes downtime by ensuring thorough cleaning.

**MCL-C12** can be used alone or in combination with CHEMLINQ™ RCS rubber cleaning sheet series on stubborn contaminants for optimized cleaning performance.

### Specifications

| Property                         | Value                                | Unit     |
|----------------------------------|--------------------------------------|----------|
| Appearance                       | White, square tablets                |          |
| Dimension (Length × Width, Mass) | 38×68, 20<br>50×50, 20<br>150×40, 40 | mm×mm, g |
| Specific Gravity                 | 1.60                                 | –        |
| Compression Ratio                | >85                                  | %        |
| Spiral Flow                      | 25                                   | in       |
| Gel Time                         | 24                                   | s        |
| Hot Hardness (120 seconds)       | 84                                   | Shore D  |
| Flash (50/20/15/10/5 µm)         | 5.3/5.7/5.9/9.2/2.8                  | mm       |

### Recommended Molding Parameters

| Mold Temperature [°C] | Curing Time [min] | Clamp Pressure                            | Shots                                     |
|-----------------------|-------------------|-------------------------------------------|-------------------------------------------|
| 160–175               | 7–8               | Pressure at clearance<br>thickness >1–2mm | Requires up to 3 shots to<br>clean stains |
| 175–185               | 5–8               |                                           |                                           |

#### Europe

Industrieweg 15E,  
1566JN Assendelft  
The Netherlands  
Phone: +31 (20) 893 2224  
Email: [info@caplinq.com](mailto:info@caplinq.com)

#### Canada

80 Sirocco Crescent  
Ottawa ON, K2S 2C9  
Canada  
Phone: +1 (613) 482-2215  
Email: [info@caplinq.com](mailto:info@caplinq.com)



#### North America

36927 Schoolcraft Rd  
Livonia, MI 48150  
United States  
Phone: +1 (313) 558-8243  
Email: [info@caplinq.com](mailto:info@caplinq.com)

#### South East Asia

S-08-07 Persiaran Triangle  
B Lepas, Penang 11900  
Malaysia  
Phone: +60 (12 )4302223  
Email: [info@caplinq.com](mailto:info@caplinq.com)

## Preparation

## Instructions

1. Ensure the mold temperature is appropriate for cleaning, typically around the operating temperature of the mold. Make sure the mold is free from any significant debris or loose contaminants.
2. Place the recommended number of MCL-C12 tablets into the mold cavity. The number of tablets depends on the size of the mold and the level of contamination.
3. Close the mold and apply pressure and heat as per the standard cycle parameters. This process helps the cleaning compound to flow and reach all the surfaces, including intricate details and hard-to-reach areas. The heat and pressure facilitate the breakdown and removal of contaminants from the mold surfaces.
4. After the cycle is complete, open the mold and eject the cleaning compound residue. Inspect the mold for any remaining contaminants. If necessary, repeat the process using additional tablets or in combination with other cleaning methods, such as CHEMLINQ™ RCS rubber cleaning sheets.
5. Perform a final inspection to ensure all residues are removed.

## Storage

## and

## Handling

1. The cleaning compound is sealed in PE bags, with 10 kg per carton.
2. Ensure the product stays dry, as high humidity can cause curing failures in the cleaning compound. Keep the product away from heat sources, as excessive heat can make the cleaning compounds ineffective.
3. Store the product below 25 °C. If taken from a cold room or refrigerator, thaw it in the sealed package for 18 to 24 hours until it reaches room temperature.
4. The shelf life is 6 months if stored at temperatures  $\leq 25^{\circ}\text{C}$  and 12 months at temperatures  $\leq 10^{\circ}\text{C}$ .

---

### Europe

Industrieweg 15E,  
1566JN Assendelft  
The Netherlands  
Phone: +31 (20) 893 2224  
Email: [info@caplinq.com](mailto:info@caplinq.com)

### Canada

80 Sirocco Crescent  
Ottawa ON, K2S 2C9  
Canada  
Phone: +1 (613) 482-2215  
Email: [info@caplinq.com](mailto:info@caplinq.com)



### North America

36927 Schoolcraft Rd  
Livonia, MI 48150  
United States  
Phone: +1 (313) 558-8243  
Email: [info@caplinq.com](mailto:info@caplinq.com)

### South East Asia

S-08-07 Persiaran Triangle  
B Lepas, Penang 11900  
Malaysia  
Phone: +60 (12) 4302223  
Email: [info@caplinq.com](mailto:info@caplinq.com)