



Release Innovation™

PRODUCT DATA SHEET

Chemlease® PMR-90 EZ

Semi permanent release agent

Description

Chemlease® PMR-90 EZ is a rapid curing semi permanent mold release agent that provides multiple releases with minimal transfer to the molded part. Chemlease® PMR-90 EZ is the highest slip version of the Chemlease® PMR family; primarily for closed molding of abrasive or low draft parts.

Benefits

- HAPs Free*
- High thermal stability
- Easy to apply
- Multiple releases between applications.
- Reduces labor time and cost

* HAPs are not formula constituents of this product. Standard manufacturing processes may result in trace quantities [$<0.1\%$] of HAPs.

Chemlease® solvent carriers contain no Class I or II registered ozone depleting substances

Mold Preparation

1. Clean mold surface to remove all traces of waxes, release agents and sealers.
2. Clean mold with Chemlease® Mold Cleaner EZ.
3. Apply the appropriate Chemlease® Sealer to new or porous molds (contact a Sales Rep or Distributor for details).

Application for base coats:

1. Mold surface must be thoroughly cleaned to remove all traces of wax, release agents, and other sealers.
2. Surface should be dry and free of contaminants.
3. Saturate clean cotton cloth (not dripping) and wipe on a smooth continuous film. Apply no more than 0.6 meter² at a time.
4. When the film begins to evaporate at the edge, wipe the surface with a second clean dry cotton cloth. Use a circular motion from the outside, working inwards until film is left dry and clear. See Notes.
5. Repeat above procedures until entire mold surface has been covered.
6. Apply 4-5 coats, allowing 15 minutes between each complete coat.
7. Allow 30 minutes for full cure. Proceed with production.

Notes:

Time will vary with room and mold temperature. Wipe off as the solvent begins to evaporate. If the release agent is left on too long, you may notice some smearing or streaking. To remove the smear or streak, rub the affected area with the recommended Chemlease® release agent, then simply remove the excess sooner than you had before.

Touch up coats:

Reapply one light coat as required and cure as for final coat.

Important

The recommended number of coats and cure times are a general guideline found to be more sufficient in a broad spectrum of molding conditions. When molding products with extreme geometries or experiencing low-humidity conditions in the shop, the customer may find the need to extend the cure time between coats and increase the number of coats applied to the mold. The efficiency of a release film is best determined through a combination of tape tests and experimentation."

Packaging

Product is available in a variety of packaging. Please contact our customer service team for details.

Storage

Do not store above 50°C. Keep container tightly sealed to prevent evaporation and/or contamination. If stored in cold temperatures, allow to warm to room temperature before using.

Safety Data

Material Safety Data Sheets are available for all Chemlease® products and should be consulted prior to use of the product.

Further Information

Request information on our complete range of materials for this industry.

Legal Notice

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. Chem-Trend warrants only that its products will meet its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are requested to check that they are in possession of the latest version of this document and Chem-Trend is at their disposal to supply any additional information.