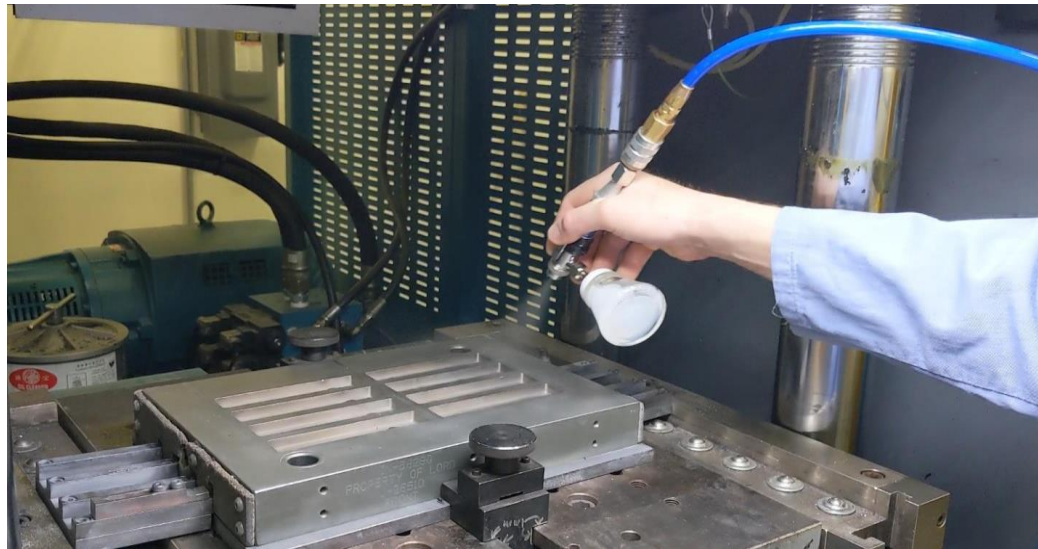


Flow Chem
Laboratory

Protton® SP100

The Original Mold Release

ETHICS. EXCELLENCE. ECONOMY



Mold Release Additives For Metal Molding Processes

Sectors,

- Automobile
- Injection Molding
- Footwear
- Tire & Many More,

Where You Want To Release the mold



Mold Release Additives for Molding Processes

Improve the surface quality of molded articles, whilst also reducing cycle times, reducing machine wear and tear, thereby increasing profits and cost effectiveness by using **Protton®SP100** mold release additives. Suitable for Metal mold, footwear mold, injection molding etc. The **Protton®SP100** range can be used in a variety of applications, including automotive interior and household articles.

Our **Protton®SP100** of internal mold release additives have been designed to improve your Metal Molding, injection molding or compression molding process. Protton SP100 additives work at the surface of the molded part to reduce friction, allowing more efficient processing and improved part quality time after time.

Protton®SP100 additives deliver enhanced surface finish of molded articles, leading to less rejects and cost saving.

Key Benefits

- Consistent mold release
- Reduced cycle times
- Continuous running
- Scratch and scuff resistance
- Improved flow and dispersion of filled polymers
- Improved surface finish
- Fewer rejects and less waste
- Reduced machine wear and cleaning
- Improved pigment dispersion
- Minimal or No Transfer
- Environmental Friendliness and High Worker Safety
- Thermal Stability
- Excellent spreading on Different substrates, including metal mold surfaces.
- Lower Surface tension
- Ability to cure to form thin films that do no transfer or interfere with bulk properties of substrate

1. Comparison of quality of injection molded part with and without Protton®SP100



Reduced Cycle Times

Protton®SP100 products can improve polymer flow, leading to easier mold filling and allowing injection at lower temperatures and speeds. This in turn allows reduced cooling time in the mold and a reduction in cycle time.

Protton®SP100 products have shown improvements of over 20 % in the number of shots per hour, increasing output and maximizing profits.

Post-Molding Benefits

Protton®SP100 can also provide many post-molding benefits including lower torque release, improved de-nesting, reduction in assembly force, improved pigment dispersion and a reduction in the number of rejects.

Unique Properties of **Protton® SP100** release Agent

- **Higher Heat stability Than Organic alternatives**
- **Superior Oxidation Resistance Characteristics**
- **Lower use Rate Than Organics**
- **Cost Effective**
- **Works on Approx. 400 degree Celsius**

Reduced Machinery Mold Wear and Tear

Protton®SP100 products can reduce the wear and tear on machinery mold by creating a layer between mold and molded part in the process. This will help to increase the lifetime of the machinery and save money.



Physical Appearance of **Protton®SP100** Original

Further Information

Flow Chem Laboratory sales and distribution are coordinated through a technical and commercial experts. For further information or guidance please contact us:

PROTONSP100.COM

PROTONCHEM.COM

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