LUSIN® MOULD MAINTENANCE PRODUCTS
A Complete Solution for Greater Efficiency

For even greater efficiency and cost effectiveness, many of Chem-Trend’s maintenance solutions offer multiple benefits in one product. And when used as a complete system, Lusin® mould maintenance products are designed to enhance the power of each product. As part of a regular maintenance routine, the combination of Lusin® cleaners, lubricants and protective agents delivers maximum benefits.
Cleaning and Degreasing Keep Your High-value Tooling Operating Efficiently and Working Longer.

Mould cleaners work by dissolving all polymers with the exception of PE and PP, while surface cleaners and degreasers work by removing the buildup of materials such as oils, waxes and pastes. Our mould cleaners provide additional benefits. They are excellent at removing polymer residue from venting without the need to remove the mould.
Cleaning Agents and Degreasers Powerfully Attack Buildup

Over time, contaminants can accumulate on mould surfaces, causing defective parts and damage to the mould. Lusin® cleaning agents and degreasers safely and effectively remove resins, colours, additives, waxes, oils, grease and most types of polymer residue for better surface quality and improved start-up procedures. Available in aerosol cans for precise spray applications.

- **Lusin® MC1718**
- **Lusin® Clean L 23 F**
- **Lusin® Clean L 101 F**
- **Lusin® Clean L 11**
- **Lusin® Clean L 52 F**
- **Lusin® Clean L 51**

![Degreasing built-in mould from wax-based anti-corrosion agent.]

- **Non-flammable aerosol**
- **NSF registered**
- **Cleaning agent**
- **Degreaser**
LUSIN® MC1718
Cleaning Agent Based on Organic Solvents

Benefits
• Removes polymer residues
• Has a rapid cleaning effect

Description
Lusin® MC1718 is an organic cleaning agent that is especially suitable for removing tenacious resin and other residues from metal surfaces.

Typical Properties
Boiling Point (aerosol): < -10 °C (14 °F)
Density (active ingredient): < 1,0 g/cm³

Application
Lusin® MC1718 is used for the cleaning of dirty moulds and for dissolving polymer residues (e.g., PVC, POM, polyamides, acrylates, etc.).

Spray Lusin® MC1718 on contaminated moulds, allow the product to react and then remove it by producing parts (they will initially show affected surfaces). The product can also be removed by using a cloth wipe.

If required, the procedure can be repeated several times at increased temperatures and longer reaction time (1 hour maximum).

In case of production stoppage, after having cleaned the surface with Lusin® MC1718, an anti-corrosion agent like Lusin® Protect O 45 F (if NSF compliance is required) should be applied; in all other cases Lusin® Protect G 31 or Lusin® Protect G 11 can be used.

Caution: Lusin® MC1718 attacks plastic and paint surfaces.

Packaging
Aerosol: 400 mL with 12 cans per box
Bulk: 1 L, 20 L, 190 L

Legal Notice
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**LUSIN® CLEAN L 23 F**

Cleaning Agent Based on Organic Solvents

**Benefits**
- Removes polymer residues
- Has a rapid cleaning effect
- NSF registered, conforms to A1 and K3 listing requirements

**Description**
Lusin® Clean L 23 F is an organic cleaning agent that is especially suitable for removing tenacious resin and other residues from metal surfaces. The product evaporates quickly, so after spraying, it should be wiped off quickly.

**Typical Properties**
- Boiling Point (aerosol): < -10 °C (14 °F)
- Density (active ingredient): < 0.85 g/cm³

**Application**
Lusin® Clean L 23 F is used for the cleaning of dirty moulds, and for dissolving polymer residues, e.g., PVC, POM, polyamides, acrylates, etc.

Spray Lusin® Clean L 23 F on contaminated moulds, allow the product to react, then remove it by producing parts (they will initially show affected surfaces). The product can also be removed by using a cloth wipe.

If required, the procedure can be repeated several times at increased temperatures and longer reaction time (1 hour maximum). In case of production stoppage, after having cleaned the surface with Lusin® Clean L 23 F, an anti-corrosion agent like Lusin® Protect O 45 F (if NSF compliance is required) should be applied; in all other cases Lusin® Protect G 31 or Lusin® Protect G 11 can be used.

**Caution:** Lusin® Clean L 23 F attacks plastic and paint surfaces.

**Packaging**
- Aerosol: 400 mL with 12 cans per box
- Bulk: 1 L, 20 L

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LUSIN® CLEAN L 101 F
Mould Cleaner

Benefits
- Removes polymer residues
- Has an excellent cleaning effect
- Suitable for high temperature applications
- Non-flammable
- NSF registered, conforming to K1 and K3 category codes

Description
Lusin® Clean L 101 F is an organic, solvent-free mould cleaner that is especially suitable for removing tenacious resin and other residues from metal surfaces.

Typical Properties
Appearance of the active ingredient: Liquid, clear
Refraction index: 1,04 - 1,08
Flash point: >100 °C (212 °F)

Application
Lusin® Clean L 101 F is used for the cleaning of contaminated moulds in machines processing thermoplastic resins. The cleaning effect is mainly based on dissolving and etching of polymer and additive residues. Spray Lusin® Clean L 101 F on contaminated moulds. In case of strong contamination allow the product to react for several minutes. Afterwards the contamination can be removed by producing parts (they will initially show affected surfaces). The product can also be removed by using a cloth wipe. In case of production stoppage, after having cleaned the surface with Lusin® Clean L 101 F, an anti-corrosion agent like Lusin® Protect O 45 F (if NSF compliance is required) should be applied; in all other cases Lusin® Protect G 31 or Lusin® Protect G 11 can be used. Due to its high flash point >100°C (212 °F), Lusin® Clean L 101 F can be applied on hot moulds (max. 130°C, 266 °F) or metal surfaces.

Caution: Lusin® Clean L 101 F attacks plastic and paint surfaces.

Due to the use of non-flammable propellants, spray rate and spray pattern of the aerosol may change slightly during application.

Lusin® Clean L 101 F does not affect sealings made of ethylene/propylene (EP), polychloroprene (CR), perfluorelastomers, polysiloxane (SI), fluorinated hydrocarbon (FKM except Viton) or PTFE.

Lusin® Clean L 101 F should not come into contact with sealings made of butadiene acrylonitrile (NBR) or polyurethane (PU).

Packaging
Aerosol: 400 mL with 12 cans per box
Bulk: 1 L, 20 L, 200 L

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Issue: 12/2017 replaces 01/2016
LUSIN® CLEAN L 11
Cleaning Agent Based on Organic Solvents

Benefits
• Degreases and cleans thoroughly
• Short drying times
• Suitable for plastics and rubbers

Packaging
Aerosol: 400 mL with 12 cans per box
Bulk: 20 L, 200 L

Description
Lusin® Clean L 11 dissolves oils and greases and removes wax residues. Conventional plastics and rubbers are resistant to short-term exposure to the cleaner, which dries rapidly.

Typical Properties
Appearance of the active ingredient: Liquid, colourless

Application
Lusin® Clean L 11 thoroughly wets the parts and is suitable for the removal of oil, grease and wax residues on plastic, metal, and rubber surfaces. It is applicable for cleaning and maintenance of all plastic surfaces in cars, technical apparatus, etc.

The parts can be cleaned by wiping, dipping or spraying. It is recommended to treat freshly cleaned metal surfaces with Lusin® Protect O 45 F (NSF compliance), Lusin® Protect G 11 or Lusin® Protect G 31 to prevent corrosion.

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LUSIN® CLEAN L 52 F
Degreaser

Benefits
• Rapid and thorough cleaning
• Removes oil, grease and wax deposits
• NSF registered, conform to K1 and K3 categories

Description
Lusin® Clean L 52 F is an easy and rapidly spreading degreasing agent based on organic solvents. The product removes oils, greases and waxes from metal and most plastic surfaces.

Typical Properties
Appearance of the active ingredient: Liquid, colourless

Application
Lusin® Clean L 52 F is suitable for the removal of oil, grease and wax deposits on plastic and metal surfaces. The product is especially suitable to degrease tools and moulds in plastic processing machines.

Spray Lusin® Clean L 52 F on contaminated parts, let the product react for some minutes and then wipe the parts with a clean cloth.

Packaging
Aerosol: 400 mL with 12 cans per box
Bulk: 10 L

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Issue: 12/2017 replaces 05/2016
LUSIN® CLEAN L 51
Degreaser

Benefits
- Rapid and thorough cleaning
- Removes oil, grease and wax deposits

Description
Lusin® Clean L 51 is an organic cleaning agent with a pleasant orange-like smell based on limonene and surfactants. The product removes oils, greases and waxes from metal and most plastic surfaces. Furthermore it spreads easily and rapidly.

Typical Properties
Appearance of the active ingredient: Liquid, colourless

Application
Lusin® Clean L 51 is suitable for the removal of oil, grease and wax deposits on plastic and metal surfaces. The product is especially suitable to degrease tools and moulds in plastic processing machines.

Spray Lusin® Clean L 51 on contaminated parts, let the product react for some minutes, and then wipe the parts with a clean cloth.
We recommend to treat the freshly cleaned metal surfaces with Lusin® Protect G 11 or Lusin® Protect G 31 to prevent corrosion.

Packaging
Aerosol: 400 mL with 12 cans per box

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Issue: 03/2016 replaces 01/2009
Anti-Corrosion Agents Keep Moulds and Tools in their Best Operating Condition.

Anti-corrosion agents are used wherever metallic surfaces have to be protected from corrosion and oxidation, which has a negative influence on the part being produced and destroys the surface of moulds and tooling. Anti-corrosion agents are used to keep moulds and tools in their best operating condition, even while being kept in storage.
LUSIN® PROTECT

Protective Agents for Extended Equipment Life

Easy-to-apply Lusin® protective agents provide a barrier on metal surfaces from water, oxygen and other corrosive agents, keeping your equipment clean and running efficiently. Tinted formulas show where the protective agents have been applied. Protective agents also act as a release agent for early shots and are removed during the production process, optimising productivity. Maximum benefits are gained when Lusin® protective agents are used together with Lusin® cleaners and degreasers as part of a regular maintenance cycle.

- **Lusin® Protect G 11/G 12***
- **Lusin® Protect O 45 F**
- **Lusin® Protect G 31/G 32***
- **Lusin® Protect G 31 F**
- **Lusin® Protect O 41**

* tinted red for enhanced application visibility
LUSIN® PROTECT G 11
Grease-like Anti-Corrosion Agent

Benefits
• Stable, transparent film
• Resistant to low and high temperatures
• Repels moisture
• Ensures temporary protection against corrosion

Description
Lusin® Protect G 11 is a grease-like anti-corrosion agent based on refined hydrocarbon oils and special additives for temporary protection of all kinds of metal surfaces. The elastic, polymolecular film penetrates into tiny cracks and corners. Lusin® Protect G 11 is free from silicone, resistant to low temperatures and does not drip. In addition to aerosol and ready-to-use versions the product is also available as concentrate for special applications.

Typical Properties
Service temperature range: Up to 80 °C (176 °F)
Anti-corrosion behaviour, DIN 50017: No corrosion after 10 h
Salt spray test, 5% NaCl solution, at 35 °C (95 °F), DIN 50021: No corrosion after 5 h

Application
Lusin® Protect G 11 is mainly used to protect moulds and dies dedicated for processing thermoplastic resins against corrosion.

Lusin® Protect G 11 only shows maximum anti-corrosion properties when applied on dry and clean metal surfaces. For cleaning it is recommended to use Lusin® Clean L 23 F as a mould cleaning agent and Lusin® Clean L 11 or Lusin® Clean L 52 F as a degreasing agent.

Optimal film generation is only ensured if Lusin® Protect G 11 is applied in several thin layers taking particular care to cover edges and undercuts.

Lusin® Protect G 11 can either be removed by the use of cleaning agents like Lusin® Clean L 11 or Lusin® Clean L 52 F or by producing parts, thus transferring the protective agent to the produced parts.

In terms of subsequent treatment of the produced parts, such as lacquering, printing or gluing, preliminary tests are recommended.

Packaging
Aerosol: 400 mL with 12 cans per box
Bulk ready-to-use: 20 L, 200 L

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Issue: 12/2017 replaces 02/2016
LUSIN® PROTECT G 12
Grease-like Anti-Corrosion Agent

Benefits
- Stable, red film
- Resistant to low and high temperatures
- Repels moisture
- Ensures temporary protection against corrosion

Description
Lusin® Protect G 12 is a grease-like anti-corrosion agent based on refined hydrocarbon oils and special additives for temporary protection of all kinds of metal surfaces. The elastic, polymolecular film penetrates into tiny cracks and corners. Lusin® Protect G12 is free from silicone, resistant to low temperatures, and does not drip. In addition to aerosol and ready-to-use versions the product is also available as concentrate for special applications.

Typical Properties
Service temperature range: Up to 80 °C (176 °F)
Anti-corrosion behaviour, DIN 50017: No corrosion after 10 h
Salt spray test, 5% NaCl solution, at 35 °C (95 °F), DIN 50021: No corrosion after 5 h

Application
Lusin® Protect G 12 is mainly used to protect moulds and dies dedicated for processing thermoplastic resins against corrosion.

Lusin® Protect G 12 only shows maximum anti-corrosion properties when applied on dry and clean metal surfaces. For cleaning it is recommended to use Lusin® Clean L 23 F as a mould cleaning agent and Lusin® Clean L 11 or Lusin® Clean L 52 F as a degreasing agent.

Optimal film generation is only ensured if Lusin® Protect G 12 is applied in several thin layers, taking particular care to cover edges and undercuts.

Lusin® Protect G 12 can either be removed by the use of cleaning agents like Lusin® Clean L 11 or Lusin® Clean L 52 F or by producing parts, thus transferring the protective agent to the produced parts.

In terms of subsequent treatment of the produced parts, such as lacquering, printing or gluing, preliminary tests are recommended.

Packaging
Aerosol: 400 mL with 12 cans per box

Legal Notice
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LUSIN® PROTECT O 45 F
Grease-based Anti-Corrosion and Lubricating Agent

Benefits
• NSF registered, conforms to H1 listing requirements
• Stable, transparent protective film
• Repels water

Description
Lusin® Protect O 45 F is an efficient anti-corrosion agent that also shows lubricating properties. The grease base of Lusin® Protect O 45 F enables the product to penetrate into very fine cracks. Lusin® Protect O 45 F conforms to H1 category code and therefore complies with FDA 21 CFR §178.3570.

Typical Properties
Appearance: Transparent liquid
Temperature range: Up to 80°C (176 °C)
Corrosion protection per DIN 50017 on steel type RST-37-2: No corrosion after 40 hours
Salt water spray test per DIN 50021 on steel type 101-A No corrosion after 50 hours

Application
Lusin® Protect O 45 F is mainly used to protect moulds and dies dedicated for processing thermoplastic resins against corrosion.

Lusin® Protect O 45 F only shows maximum anti-corrosion properties when applied on dry and clean metal surfaces. For cleaning it is recommended to use Lusin® Clean L 23 F as a mould cleaning agent and Lusin® Clean L 52 F as a degreasing agent. Both products are NSF registered conforming to K1 and K3 listing requirements.

Optimal film generation is only ensured if Lusin® Protect O 45 F is applied in several thin layers, taking particular care to cover edges and undercuts.

Lusin® Protect O 45 F can either be removed by the use of the cleaning agent Lusin® Clean L 52 F or by producing parts, thus transferring the protective agent to the produced parts.

In terms of subsequent treatment of the produced parts, such as lacquering, printing or gluing, preliminary tests are recommended.

Packaging
Aerosol: 400 mL with 12 cans per box
Bulk: 1 L

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Issue: 12/2017 replaces 05/2016
LUSIN® PROTECT G 31
Wax-based Anti-Corrosion and Lubricating Agent

Benefits
- Stable transparent film; resistant to handling
- Lasting protection against corrosion
- Suitable for use as a release agent

Description
Lusin® Protect G 31 is a highly efficient anti-corrosion agent that also shows lubricating properties. The delayed generation of the solid protective film enables Lusin® Protect G 31 to penetrate into very fine cracks. The protective film is resistant to handling and starts melting at around 50 °C (122 °F).

Lusin® Protect G 31 aerosol contains UV light sensitive pigments enabling the protective film to be visible under UV light (maximum at 366 nm).

Typical Properties
Corrosion protection per DIN 50017: No corrosion after 20 h
Neutral Salt Spray Test according to DIN EN ISO 9227: No corrosion after 28 h

Application
Lusin® Protect G 31 is mainly used to protect moulds and dies dedicated for processing thermoplastic resins against corrosion.

Lusin® Protect G 31 only shows maximum anti-corrosion properties when applied on dry and clean metal surfaces. For cleaning it is recommended to use Lusin® Clean L 23 F as a mould cleaning agent and Lusin® Clean L 11 or Lusin® Clean L 52 F as a degreasing agent.

Optimal film generation is only ensured if Lusin® Protect G 31 is applied in several thin layers, taking particular care to cover edges and undercuts.

Lusin® Protect G 31 can either be removed by the use of cleaning agents like Lusin® Clean L 11 or Lusin® Clean L 52 F or by producing parts, thus transferring the protective agent to the produced parts.

In terms of subsequent treatment of the produced parts, such as lacquering, printing or gluing, preliminary tests are recommended.

Packaging
Aerosol: 400 mL with 12 cans per box
Bulk: 20 L, 200 L

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Issue: 12/2017 replaces 06/2016
LUSIN® PROTECT G 32
Wax-based Anti-Corrosion and Lubricating Agent

Benefits
• Stable red film; resistant to handling
• Lasting protection against corrosion
• Suitable for use as release agent

Description
Lusin® Protect G 32 is a highly efficient anti-corrosion agent that also shows lubricating properties. The delayed generation of the solid protective film enables Lusin® Protect G 32 to penetrate into very fine cracks. The protective film is resistant to handling and starts melting at around 50 °C (122 °F).

Typical Properties
Corrosion protection per DIN 50017: No corrosion after 20 h
Salt spray test per DIN 50021 with 5% NaCl-solution: No corrosion after 28 h

Application
Lusin® Protect G 32 is mainly used to protect moulds and dies dedicated for processing thermoplastic resins against corrosion.

Lusin® Protect G 32 only shows maximum anti-corrosion properties when applied on dry and clean metal surfaces. For cleaning it is recommended to use Lusin® Clean L 23 F as a mould cleaning agent and Lusin® Clean L 11 or Lusin® Clean L 52 F as a degreasing agent.

Optimal film generation is only ensured if Lusin® Protect G 32 is applied in several thin layers, taking particular care to cover edges and undercuts.

Lusin® Protect G 32 can either be removed by the use of cleaning agents like Lusin® Clean L 11 or Lusin® Clean L 52 F or by producing parts, thus transferring the protective agent to the produced parts.

In terms of subsequent treatment of the produced parts, such as lacquering, printing or gluing, preliminary tests are recommended.

Packaging
Aerosol: 400 mL with 12 cans per box

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LUSIN® PROTECT G 31 F
Wax-based Anti-Corrosion and Lubricating Agent

Benefits
- Food grade lubricant, NSF H1 registered
- Long-lasting protection against corrosion
- Stable whitish film resistant to handling
- Easy to remove

Description
Lusin® Protect G 31 F is a highly efficient anti-corrosion agent that also shows lubricating properties. The delayed generation of the solid protective film enables Lusin® Protect G 31 F to penetrate into very fine cracks. Lusin® Protect G 31 F conforms to H1 category code and therefore complies with FDA 21 CFR §178.3570.

Typical Properties
Flash point: < -10 °C (14 °F)
Neutral Salt Spray Test according to DIN EN ISO 9227: No corrosion after 150 h

Application
Lusin® Protect G 31 F is mainly used to protect moulds and dies dedicated for processing thermoplastic resins against corrosion.

Lusin® Protect G 31 F only shows maximum anti-corrosion properties when applied on dry and clean metal surfaces. For cleaning it is recommended to use Lusin® Clean L 23 F as a mould cleaning agent and Lusin® Clean L 52 F as a degreasing agent. Both products are NSF registered.

Optimal film generation is only ensured if Lusin® Protect G 31 F is applied in several thin layers, taking particular care to cover edges and undercuts.

Lusin® Protect G 31 F can either be removed by producing parts, thus transferring the protective agent to the produced parts, or by the use of the cleaning agent Lusin® Clean L 52 F.

In terms of subsequent treatment of the produced parts, such as lacquering, printing or gluing, preliminary tests are recommended.

Packaging
Aerosol: 400 mL with 12 cans per box

Legal Notice
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Issue: 12/2017 replaces 08/2017
LUSIN® PROTECT O 41
High Performance Spray Oil

Benefits
• Lubricates without greasy touch
• Removes rust
• Loosens corroded parts
• Insoluble in water

Description
Lusin® Protect O 41 is a high-performance spray oil based on a combination of mineral oils and selective additives. It can be used as a lubricant, a rust remover and as an anti-corrosive protective layer. The clear protective film lubricates without feeling greasy. Due to the rust-removing functionality, it will loosen corrosion and corroded parts.

Lusin® Protect O 41 bulk is a ready-to-use mixture containing organic solvents.

Typical Properties
Appearance of active ingredient: Liquid, oily
Application temperature range: Up to 150 °C (302 °F)

Application
A fine, even spray film should be applied on the clean metal surface, especially to edges and undercuts. For cleaning it is recommended to use Lusin® L 23 F as a mould cleaning agent and Lusin® Clean L 11 or Lusin® Clean L 52 F as a degreasing agent.

Packaging
Aerosol: 400 mL with 12 cans per box
Bulk: 20 L

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LUBRICANT SPRAYS AND PASTES PROVIDE LONG-LASTING EFFECT AND ECONOMICAL USE.

Lubricants are used in thermoplastic processing mainly for ejector pins, sliders, nozzles and conveyor belts to avoid seizing or blocking of these moving parts. For critical parts such as ejector pins, thermally stable, special purpose lubricants have been developed that will remain on the ejector pins and will not be transferred during processing.
LUSIN® LUB

Lubricants for Performance under Extreme Pressure
Lusin® lubricants are developed specially for injector pins and locator plugs in plastic injection molding applications. Heavy-duty lubricating film keeps mechanical parts moving and prevents the breakage and seizing of ejector pins, while avoiding transfer of the lubricant to the final part. Lusin® lubricants protect equipment from dangerous corrosion.

- highly recommended
- recommended

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<th>Product</th>
<th>NSF registered</th>
<th>10/2011 compliance</th>
<th>Anti-corrosion</th>
<th>Long-term durability</th>
<th>High-temperature lubricant (&gt;300 °C/572 °F)</th>
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LUSIN® LUB PZO 152
Special Lubricating and Assembly Paste

Benefits
• Resistant to high pressure
• Prevents stick slip
• Protects against corrosion
• Prevents fretting corrosion
• Resistant to hot water and steam
• Resistant to alkaline and acid media
• Spreads easily

Description
Lusin® Lub PZO 152 is a soft, multi-purpose paste based on mineral oil and a combination of inorganic solid lubricants. This special lubricating and assembly paste is resistant to high pressure and protects against corrosion including fretting corrosion.

Lusin® Lub PZO 152 achieves a maximum lubricating effect in the preferred application range up to 150°C (302 °F).

Lusin® Lub PZO 152 prevents stick slip and is resistant to hot water, steam, alkaline and acid media. In addition, it spreads easily and delivers a long-lasting performance.

Typical Properties
Appearance of the active ingredient: Paste, beige
Density, DIN 51757, at 20 °C (68 °F), g/mL, approx.: 1.35

Drop point, °C (°F): > 150 (302)
Service temperature range, °C (°F): -30 to 150 (-22 to 302) peaks up to 200 (392)
Worked penetration based on DIN 51804 (0,1 mm): Approx. 315

Application
Lusin® Lub PZO 152 is recommended for use on core slides and ejector pins in plastic processing machines. The lubricant is designed for maintenance and repair purposes, especially for sliding surfaces (low-to-medium sliding speeds), for applications where there might be stick slip, and for applications under high static and dynamic loads. The product can be used for applications exposed to heat and as assembly aid for all kinds of applications. Lusin® Lub PZO 152 is a multi-purpose product for assembly operations in the entire machine building industry.

Application notes: Clean and degrease all surfaces, apply a thin and even layer of paste or spray. For cleaning it is recommended to use Lusin® Clean L 23 F as a mould cleaning agent and Lusin® Clean L 11 F or Lusin® Clean L 52 F as a degreasing agent.

Packaging
Paste: 140 g tube
Can: 1500 g
Aerosol: 400 mL with 12 cans per box

Legal Notice
The technical information and suggestions for use contained herein is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this bulletin is to be taken as a warranty either expressed or implied.
benefits
• Resistant to high pressure
• Resistant to high temperatures
• Thermally conductive
• Prevents seizure

description
Lusin® Lub PM 1001 is a high-temperature lubricating and assembly paste with a synthetic base oil and a combination of inorganic solid lubricants especially resistant to high temperatures. This paste ensures lubrication and is resistant to temperatures up to 1000 °C (1832 °F). Lusin® Lub PM 1001 is thermally conductive and prevents seizure.

typical properties
Colour: Light grey
Density, DIN 51 757, at 20 °C (68 °F), g/mL, approx.: 1.3

application
Lusin® Lub PM 1001 is used as a lubricant for screw connections subject to high temperatures and pressures, e.g., screws of injection moulding machines or dies in extrusion. It can also be used as seizure-preventing, heat-conductive assembly paste for all kind of applications.

application notes: Clean and degrease the surface. Apply a thin layer of paste on the entire surface and rub it in slightly. Apply a thin and even layer by spraying.

For cleaning it is recommended to use Lusin® Clean L 23 F as a mould cleaning agent and Lusin® Clean L 11 F or Lusin® Clean L 52 F as a degreasing agent.

Packaging
Can: 1500 g
Spray: 400 mL with 12 cans per box
LUSIN® LUB O 32 F
Lubricant and Release Agent with 100% Active Ingredient

Benefits
- Solvent and silicone free
- Environmentally responsible
- 100% active ingredient
- The formulation meets the requirements of 21 CFR §178.3570 “lubricants with incidental food contact”
- According to 21 CFR §175.300, the product can be used as resinous and polymeric coating
- The formulation is in compliance with European Plastics Regulation No 10/2011

Description
In general, Lusin® Lub O 32 F can be used as lubricant or release agent in the packaging industry. If the product is applied on a die, e.g., in blown film applications, it reduces the buildup during production. Lusin® Lub O 32 F, applied to the outside surface of PET preforms, significantly reduces scratches to the plastic surfaces occurring during transport and handling. The blocking of bottles during the transport using air conveyors can be reduced to an absolute minimum by means of coating the preforms or the final bottles with Lusin® Lub O 32 F.

Typical Properties
These are typical values and should not be used to set specifications

- Appearance: Yellow liquid
- Density (room temperature): 0.98 – 1.02 g/mL
- Viscosity (room temperature): 120 – 170 mPas
- Recommended Cleaning Agent: Lusin® Clean M 140*
- Recommended amount of Lusin® Clean M 140*: Tenfold of the dead volume of the tubes

Application
In terms of lubrication of the outside surface of PET preforms, Lusin® Lub O 32 F should be applied using suitable spray equipment, e.g., Steidle equipment. The product is also suitable as a release agent in the thermoplastic processing industry. Mould temperatures should not exceed 200 °C (392 °F) in terms of injection moulding. For film applications the die temperature should not exceed 190 °C (374 °F). Lusin® Lub O 32 F is a waterless system; therefore, it is strongly advised to avoid dilution with water since even small impurities of water in the machinery and especially in the tubes will cause agglomerates that may block the system.

Packaging
1 L, 20 L, 200 L
Aerosol: 400 mL 12 cans per box

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* For more information, please contact your Chem-Trend representative or the distribution partner.
LUSIN® LU1201F NEW!
Lubricant

Benefits
- Highly effective
- For use at mould temperatures up to 120°C (248°F)
- NSF registered according to H1 category code
- Long-term stability
- Protects against corrosion

Description
Lusin® LU1201F is a soft white special lubricating and assembly paste based on synthetic base oils. This multi-purpose paste protects against corrosion, prevents stick slip and is resistant to hot water, steam, alkaline and acid media. In addition, it spreads easily and shows reliable adhesion to the friction point. Lusin® LU1201F may also be used at lubricating points where occasional contact with food products cannot be excluded.

Lusin® LU1201F achieves a maximum lubricating effect in the preferred application range from -45 °C (-49 °F) up to 120 °C (248 °F).

Typical Properties
Appearance of paste/active ingredients contained in the aerosol
Yellow liquid
Density: 1,13 g/mL

Application
Lusin® LU1201F is recommended for the use on core slides and ejector pins in plastic processing machines. The lubricant is designed for maintenance and repair purposes, especially for sliding surfaces (low to medium sliding speeds), for applications where there might be stick slip and for applications under high static and dynamic loads. The product can also be used for applications exposed to heat.

In addition, it can be used as assembly aid for all kind of applications. Lusin® LU1201F is a multi-purpose product for assembly operations in the entire machine building industry.

For maximum performance, cleaning of the lubricating point is necessary. It is recommended to use Lusin® L 23 F as a mould cleaning agent and Lusin® Clean L 52 F as a degreasing agent. Both products are NSF registered.

Packaging
Aerosol: 400 mL with 12 cans per box

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