PRODUCT INFORMATION

DIE-LUBRIC 5050 BS

WATER DILUTABLE DIE-FACE LUBRICANT FOR ALUMINIUM AND MAGNESIUM

PETROFER
industrial oils and chemicals

DESCRIPTION

DIE-LUBRIC 5050 BS is a water dilutable die-face release lubricant for die-casting components of aluminum and magnesium alloys.

DIE-LUBRIC 5050 BS has extraordinarily good wetting properties and is extremely effective when the die temperatures are high.

DIE-LUBRIC 5050 BS generates highly effective separating films on the dies, while guaranteeing very good lubrication of all sliding parts, ejection pins and moving cores within the die.

DIE-LUBRIC 5050 BS produces bright and clean castings. The formation and build-up of deposits through release agent residues and overspray in the die area is avoided, as the residues remain soft and are easy to remove.

BENEFITS

- for aluminium and magnesium
- formaldehyde-free
- for complex castings
- high wetting ability
- for high die temperatures
- no overspray residues
- very good for microbially contaminated systems
- also for recovery systems

Due to the special selection of raw materials, DIE-LUBRIC 5050 BS is also suitable for use in normally microbially contaminated systems despite its formaldehyde-free formulation. This benefit and special functionality is particularly advantageous when the separating agent is used in a previously microbially infected central supply system. The risk of clogging in pipelines, filters and spray nozzles by bacteria or fungi is safely avoided because of the extremely high flushing effect and stability of the product.

DIE-LUBRIC 5050 BS does not cause any problems during painting or electroplating when properly used and normal cleaning or pre-treatment of the cast parts is undertaken. The residues on cast components are compatible for most typically found paint processes.

Depending on the geometry of parts to be cast, the alloys as well as the spray parameters, mixing ratios up to 1:70 are possible for DIE-LUBRIC 5050 BS. DIE-LUBRIC 5050 BS can also be used in recovery systems.

PHYSICAL DATA

Mixing ratio*	1:70 – 1:100
Wax content	●●○○○
Polysiloxane amount	●●●○○
Oil content	●●●○○
Casting complexity	●●●●○

*Depending on the casting complexity and the operating parameters.

HANDLING AND STORAGE

The storage temperature should be between 5 - 25 ° C, frost should be avoided. Always observe the use by date on the container.

Only valid in combination with EC Safety Data Sheet
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