

TECHNICAL DATA SHEET

DIE SLICK® 1718

DIE CASTING

DIE SLICK® 1718 is a die lubricant formulated as a concentrate designed for excellent release and bright cosmetic casting finish. DIE SLICK® 1718 is a semi-synthetic petroleum formulation blended specifically to meet customer's production environment and incorporating state of the art Smart Polymer technology.

Applications

DIE SLICK® 1718 with Smart Polymer technology is a thermodynamically reactive (heat activated) polymer blend which forms a tough barrier on hot areas of the die while lightly coating cooler less demanding areas. This unique property translates to reduced solder, enhanced release and wetting characteristics while producing bright clean castings.

Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	White Emulsion	
Flash Point	N/A	°C
pH	8,65	
Density	982	kg/m ³ , 25°C
Odor	Mild	

Benefits

- Forms a tough thermodynamically activated die film that resists soldering on hot die areas while not building on cooler die areas
- Castings are extremely bright and clean
- Does not cause paint or coating problems
- Exhibits excellent emulsion stability
- Minimal smoke and no staining

Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Quaker Houghton can supply this quality product in drums (200kg). 0-40°C is the recommended storage temperature for all metalworking products.

Recommendation for Use

This product can be used with the operations on Aluminum alloy, Zinc alloy and Magnesium alloy.

The ratio is recommended to start from 80:1.

* The dilution ratios are recommendations based on Quaker Houghton's experience in the field. Each Die Casting facility is unique and each operator should evaluate the recommended starting ratio based on his / her experience.

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. 052594

