

WELL-5009

Die Casting Release Agent

Technical Data Sheet

Product Description

WELL-5009 is an aqueous emulsion of alkyl aryl-modified silicone oil.

As a silicone release agent, WELL-5009 has been used in casting, molding and extrusion of low melting non-ferrous metals such as aluminum die casting, and in the field of plastic injection molding and rubber molding.

As WELL-5009 is a high-concentration product, it can be diluted to various concentrations and the economy is excellent. In particular, WELL-5009 is optimal for highly sensitive and precise mold release because it will not leave a residue. Also it protects the surface of the molded article giving the shine and lubricity.

- Excellent release performance
- Higher heat resistance than common organic mold release agent
- It does not affect the post process such as paint operations, coating operations, bonding operation.
- The excellent storage stability
- Dilution with water
- Superior economics

Typical Product data

General characteristics	Unit	Result
Appearance		A milky white emulsion
Non-volatile content	%	50~54
Viscosity(25°C, 20rpm)	cP	MAX. 2,000
pH(25°C)		6.0~8.0
Emulsifier type		Non-ionic/anionic, non APEO

How To Use

WELL-5009 is used after dilution with water (WELL-5009: water = 1:80).

Recommended dilution concentration ranges from 0.5 to 2.0%.

Diluents should be coated on mold surface evenly coated with the equipment such as paint spray gun.

Before applying, remove the foreign substance or carbide depositing and wash the injection residue.

Handling Precautions

Product safety information required for sale use is not included in this document. Before handling, read product and material safety data sheets and container labels for safe use, physical and health hazard information.

Safety and Storage

Use it within 12 months from the day of manufacture.

Store between 5 °C and 30 °C in a cool dry place without direct sunlight.

Keep out of the reach of the children.

Packaging

20 kg / 180 kg PE Drum / 1000kg TOTE

Warranty Information –Please read carefully

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that WELLCO's products are safe, effective, and fully satisfactory for the intended end use. WELLCO's sole warranty is that the product will meet the WELLCO sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to replacement of any product shown to be other than as warranted.

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