

AQUACER 597

Cationic wax emulsion based on a modified polypropylene wax for formulating release agents for metal die casting.

Product Data

Composition

Cationic aqueous emulsion of a modified polypropylene wax

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (68 °F):	8.18 lbs/US gal
Non-volatile matter (1 h, 257 °F):	35 %
Carrier:	Water
Melting point (wax content):	284 °F
Viscosity (68 °F):	< 250 mPa·s
pH value (68 °F):	5.5

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

Temperature sensitive. To be stored and transported between 5 °C (41 °F) and 35 °C (95 °F). Mix well before use.

Applications

Release Agents for Metal Die Casting

Special Features and Benefits

AQUACER 597 is recommended for formulating aqueous mold release agents which are used in aluminum die casting. The product brings about a good wetting of the mold at high temperatures, very good film forming and outstanding adhesion to the mold surface. The mold is protected from damage and the finished molded components have an excellent surface quality.

Recommended Levels

10-70 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

AQUACER 597 is preferably diluted with water, but can also be mixed directly with all the components of the aqueous mold release agent.

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Additive Guide



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