Emulsion S50

SILICONE EMULSION

technical data sheet

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Description

Emulsion S50 is an emulsion of polydimethylsiloxane (silicone) in water.

Applications

Emulsion S50 is a general purpose silicone emulsion. It can be used as a release agent to prevent moulded parts sticking to the mould or charring. The emulsion achieves clean contours and close tolerances and imparts a slightly shiny finish to the moulded part. Typical applications include foundries, tyre re-moulding, food packaging manufacture and industrial rubber hose production.

Emulsion S50 can be incorporated into water based products such as automotive polishes, furniture polishes and leather care products where a high gloss is required. It will improve scratch resistance, add depth of colour and improve water repellency. Emulsion S50 can also be utilised in cleaning and rinsing formulations such as automotive wash/wax formulations, the emulsion has cleaning properties whilst the residual silicone produces a "beading" wax effect.

Emulsion S50 has a wide variety of uses in the textile industry and is suitable as a spinning lubricant in the manufacture of synthetic fibres, particularly polyurethane fibres. The lustre and softness of the finished article is also improved.

Emulsion S50 can be used as a re-texturizing agent during heat-set web-offset printing. It improves the wetting of the applicator rollers for a more uniform distribution of silicone onto the web and reduced fly off.

Product Features

Emulsion S50 is stable, water dilutable and offers good release properties, lubricity and gloss. Emulsion S50 has a low viscosity that promotes accurate dilution via proportional dosers and more efficient drainage of containers.

Method of Use

Emulsion S50 can be used as delivered or diluted for use depending on the application. Dosage will depend on the application and should be determined by trial.

Product Safety

A Safety Data Sheet compliant with EU 2015/830 is available for Emulsion S50 on request. It contains any safe handling guidelines that may be relevant to this product.

Storage, Shelf Life & Packaging

Emulsion S50 has a shelf life of 12 months when stored in original and unopened containers between 5°C and 30°C. This product is typically available in 25, 220 and 1,000 litre containers. Please note that it is sold in kilograms and the actual capacity of a container (in kg) is dependent upon the specific gravity of its contents.

Typical Properties

- Appearance: Cream white opaque liquid
- Solids: 48 – 52 %

Please note; these are typical properties only and should NOT be construed or used as a specification for this product.

PennWhite Ltd. Certificate #041654

This product is manufactured in a facility whose Quality Management System is certified as being in conformity with ISO 9001:2015.

This product is manufactured in a facility which operates in line with the Chemical Business Association's Responsible Care program.

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