

technical data sheet

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Description

Emulsion GPS35 Xpress is an emulsion of polydimethylsiloxane (silicone) in water.

Applications

Emulsion GPS35 Xpress is a general purpose silicone emulsion. It can be used as a release agent to prevent moulded parts sticking or charring and helps achieve clean contours, close tolerances and a slightly shiny finish to the part. Typical industrial applications include foundries, tyre re-moulding, food packaging manufacture and rubber hose production.

Emulsion GPS35 Xpress 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 GPS35 Xpress 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 GPS35 Xpress re-texturises the web on high-speed heat-set web-offset printing presses. It delivers improved wetting of applicator rollers, resulting in a more uniform distribution of silicone onto the printed web, and reduced 'fly-off' of emulsion droplets. Emulsion GPS35 Xpress is a frost-stable concentrate able to withstand a range of storage conditions without spoilage.

Emulsion GPS35 Xpress 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 GPS35 Xpress can be used in equestrian grooming products. It assists in detangling tails and manes leaving a silky soft finish and imparts a luxurious gloss sheen to coats.

Product Features

Emulsion GPS35 Xpress is stable, water dilutable and offers good release properties, lubricity and gloss. Emulsion GPS35 Xpress has a low viscosity that promotes accurate dilution via proportional dosers and more efficient drainage of containers.

Method of Use

Emulsion GPS35 Xpress can be used as delivered or diluted for use. Dosage will depend on the application and should be determined by trial.

When used on printing presses, Emulsion GPS35 Xpress should be dosed to clean water feeding the applicator rollers following the chilling/set stage of printing. Dosage rate will depend upon ink quality, paper type and print speed. Dilutions of Emulsion GPS35 Xpress should not be stored in the applicator bath for more than 72 hours.

Product Safety

A Safety Data Sheet compliant with EU 2015/830 is available for Emulsion GPS35 Xpress on request. It contains any safe handling guidelines that may be relevant to this product.

Storage, Shelf Life & Packaging

Emulsion GPS35 Xpress 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: 32 – 34 %
- Emulsion Stability: Pass

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

(OPM3/D3)

TDS: 004C

Issue: 08

Revised: 31/03/2023

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



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

Technical Support Contact Details

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