

Description	BLUESIL EMUL 21848 is a high active content emulsion of an amino functional silicone. The product imparts water repellence and elastomeric properties to textile substrates.
Examples of applications	Please consult your local ELKEM SILICONES sales office.
Key benefits	<p>The product provides following properties to fabrics:</p> <ul style="list-style-type: none"> • Smooth handle. • Improves fabric elasticity and wrinkle recovery. • Water repellence. • Improves fabric tensile strength and tear strength. • Low yellowing. • May be applied by padding or exhaustion. • Top finishing of leather. • Stable dilution. • Compatible with the most organic softeners and textile auxiliaries. • Good durability.

Typical properties	Appearance	white emulsion
	Emulsifier type	non ionic
	Solids content, % approx	55
	Density at 25°C, approx	1.0
	pH approx	7.5
	Suitable diluent	cold water

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use	<p>Applications by padding</p> <p>When used alone, BLUESIL EMUL 21848 should be diluted with cold water. The concentration of the padding liquid should be adjusted to give a pick-up of 0.2 - 2.0 % silicone solids on weight of fabric. The exact level required will depend upon the type of fabric and the level of softening effect required.</p> <p>The pH of the bath should be adjusted below 5.5.</p> <p>The fabric should be dried and cured at temperatures in excess of , however temperatures of 150°C are recommended. The full softening effect is manifested after adequate fabric conditioning at atmospheric conditions.</p> <p>Highly diluted mixtures of the product should be stored for no longer then 48 hours at ambient conditions. When used with organic softening agents or other finishing chemicals the compatibility of the system should be pre-checked prior to use.</p> <p>Application by exhaustion</p> <p>Any equipment suitable for exhaustion dyeing will also be suitable for BLUESIL EMUL 21848 application.</p> <p>A final level of 0.2 - 2.0 % silicone solids on weight of fabric will give an excellent handle and optimum levels will depend upon fabric type and required softness.</p> <p>The pH of the bath should be adjusted to 3.0 - 5.0 and the temperature raised to prior to addition of BLUESIL EMUL 21848.</p>
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BLUESIL EMUL 21848

Technical Data Sheet n° 2184-V2 – 2020/02/11

The **BLUESIL EMUL 21848** should then be added and the temperature held at this level for 45 - 60 minutes when exhaustion takes places. The fabric should be dried and cured.

Regulation Please consult your local ELKEM SILICONES sales office.

Limitations Please consult your local ELKEM SILICONES sales office.

Packaging

- BLUESIL EMUL 21848 is available in
 - Drum of 200 KG (441 LB)
 - Tote bin of 1000 KG (2205 LB)

Storage and shelf life When stored in its original packaging:
BLUESIL EMUL 21848 may be stored at temperatures between 2°C / 36°F and 30°C / 86°F for up to 12 months from its date of manufacturing.
Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.

Safety Please consult the Safety Data Sheet of:
BLUESIL EMUL 21848

Visit our website www.silicones.elkem.com

Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.