

COMFORTSIL FLD HYDROSOFT

Description	COMFORTSIL FLD HYDROSOFT is a medium viscosity silicone copolymer, based on our patented HALS (Hindered Amine Light Stabilising) technology.																			
Examples of applications	<p>COMFORTSIL FLD HYDROSOFT is easily emulsified into micro- or macro-emulsions, using typically C13 [EO]6 alcohol ethoxylate surfactants.</p> <p>The application of the product onto textile surfaces imparts the following properties:</p> <ul style="list-style-type: none"> • Total non-yellowing even at high temperatures. • Imparts or preserves the textile hydrophilicity. • Full soft hand. 																			
Key benefits	<p>COMFORTSIL FLD HYDROSOFT has been developed by ELKEM SILICONES for formulation into emulsions destined for use in textile applications.</p> <p>When applied to textiles it imparts properties of softness and hydrophilicity, whilst remaining non-yellowing due to the presence of HALS groups.</p>																			
Typical properties	<table border="1"> <thead> <tr> <th>Aspect</th> <th></th> </tr> </thead> <tbody> <tr> <td>Colour</td> <td>Viscous slightly hazy liquid</td> </tr> <tr> <td>Amine content (ppm N, approx.)</td> <td>Pale to straw yellow</td> </tr> <tr> <td>Viscosity (at 25°C, cP)</td> <td>3780</td> </tr> <tr> <td>Density (approx.)</td> <td>200-300</td> </tr> <tr> <td>Refractive index (at 25°C, approx.)</td> <td>0.973</td> </tr> <tr> <td>Flash point (°C, approx.)</td> <td>1.408</td> </tr> <tr> <td>Solubles</td> <td>177</td> </tr> <tr> <td></td> <td>Ether, White spirit, Trichloroethylene and Toluene <u>Insoluble</u> in water Acetone and Ethanol</td> </tr> </tbody> </table>	Aspect		Colour	Viscous slightly hazy liquid	Amine content (ppm N, approx.)	Pale to straw yellow	Viscosity (at 25°C, cP)	3780	Density (approx.)	200-300	Refractive index (at 25°C, approx.)	0.973	Flash point (°C, approx.)	1.408	Solubles	177		Ether, White spirit, Trichloroethylene and Toluene <u>Insoluble</u> in water Acetone and Ethanol	
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	<p>Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.</p>																			
Instruction of use	Please consult your local ELKEM SILICONES sales office.																			
Regulation	Please consult your local ELKEM SILICONES sales office.																			
Limitations	Please consult your local ELKEM SILICONES sales office.																			
Packaging	<ul style="list-style-type: none"> • COMFORTSIL FLD HYDROSOFT E4 is available in <ul style="list-style-type: none"> ○ Tote bin of 1000 KG (2205 LB) ○ Drum of 200 KG (441 LB) 																			
Storage and shelf life	<p>When stored in its original packaging:</p> <p>COMFORTSIL FLD HYDROSOFT E4 may be stored at temperatures between 2°C / 36°F and 40°C / 104°F for up to 24 months from its date of manufacturing.</p> <p>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.</p>																			
Safety	Please consult the Safety Data Sheet of: COMFORTSIL FLD HYDROSOFT E4																			

Visit our website www.elkem.com/silicones/

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

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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.