

GGSil RAW

Special Silicone Softener Oil for PES and their blends

PROPERTIES :

Non-ionic structure
Excellent solubility in water
Used for all natural and synthetic fiber mixtures, gives a great slipperiness effect of the fabric.
GGSil RAW offers outstanding softness and slickness to fabrics and garments, with minimal contribution to yellowing, shear stability loss, and thermal migration. It is water dispersible and can be effective at very low dosage levels compared to traditional amino-silicone fluid
Provides depth the color and gloss to the fabric.
Applied fabrics can be washed many times. (it tested five washing after fabrics)
Provides convenience in storage and decreases stocking expenses.
Easily used together with cationic and nonionic products.
GGSil RAW is compatible with a variety of fabrics, offering particular effectiveness with synthetic/cotton blends, polyester fleece and wool.
GGSil RAW prevent Back-Staining for Garment dyed or Denim Garments

APPLICATION :

- Effectiveness at 3-5 g/l in the bath, as received, offering a high level of natural softness to natural, synthetics and their blends
- Delivery of properties similar to those of reactive elastomeric finishes, such as durability and resistance
- Very low yellowing
- Good lubricity and hand-feel to polyester fleece
- Good stability under typical finishing conditions, including jet/overflow
- Co-applicability with crease (durable press) resist resin, their catalysts and optionally OBA's
- Self-dispersibility without the need for emulsifiers, enabling potential cost savings for formulators and mills
- Direct blending into the textile finishing bath with minimal agitation
- Ease of handling

GGSil RAW is an excellent candidate to consider for use in textile finishing of all synthetics, synthetic/cotton blends, polyester fleece and wool, as well as cotton fabrics

Typical product usage level ranges between 3-5 g/l in the bath; higher dosage levels are not recommended and, in certain cases, may be detrimental to product performance.

GGSil RAW offers outstanding dilution stability, it is best to use soft water for its dilutions. If soft water is not available, the complete bath should be tested for stability before applying it in production.

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APPLICATION :

Padding systems

GGSil RAW (20% SOL.)

pH:	20 - 40 g/l, 5 - 5,5 (Acetic acid for pH adj.)
Pick Up:	65 - 100%
Drying:	100 - 130°C for 1 - 2 min

Exhaustion Systems

GGSil RAW (20% SOL.)

LR (Liq. Ratio)	2 - 4 %
pH:	1:8 - 1:20
Temp.	4 - 5 (adj. with acetic acid)
Time	30 - 50°C
Drying	20 - 30 min
	100 - 130°C for 1 - 2 min

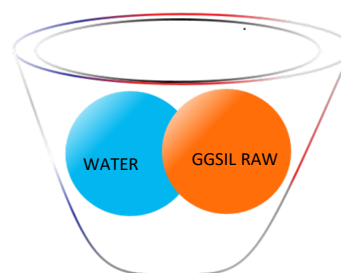
Washing Machines

GGSil RAW (20% SOL.)

LR (Liq. Ratio)	2 - 4 %
pH:	1:3 - 1:24
Temp.	5 - 6 (adj. with acetic acid)
Time	30 - 50°C
Drying	10 - 20 min
	70 - 90°C for Tumbler Dryer

DILUTION RECIPE :

- PUT GGSIL RAW (25 - 50 %)
- RUN MACHINE AT 40 - 60 RPM
- PUT WATER ACCORDING TO DESIRED QUANTITY (50 - 75 %)
- RUN MACHINE AT 40 - 60 RPM FOR 15 - 20 MIN
- ADJUST pH TO 5,0 - 5,5 and check ready to use product



Storage :

The product sensitive to frost and heat and must not be stored at temperature below 0°C or above 40°C . Irreparable damage is possible. In case of suspected frost or heat damage , the usability of the product has to be checked before processing.

Attention :

The above recommendations are based on comprehensive studies and experience made in practical finishing. They are, however, without liability regarding property rights of third parties and foreign laws. The user should test for himself whether the product and the application are suited for his very special purposes. We are, above all, not liable for fields and methods of application which have not been put down by us in writing. Advice for marking regulations and protective measures can be taken from the respective safety data sheet.

GG Chem :

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