

ULTRASIL MICRO

Silicone softener imparting excellent hydrophilic and antistatic properties to all kinds of fabrics.

CHARACTERISTICS	BENEFITS
Very good hydrophilicity	Highly recommended for fabrics requiring good. Wicking and hydrophilicity
No shade changes or fastness impairment of finished goods	Can be applied on all kinds of goods including whites and pastel shades
Imparts antistatic properties	Useful on yarns and fabrics prone to static build up
Enhanced fibre to fibre lubrication	Improved tear strength and bursting strength of fabrics Improved sewability of fabrics

PROPERTIES

Active Solids:	80±5%
Ionic nature:	Pseudo Cationic
Physical Appearance:	Viscus oily liquid
Specific Gravity at 25 ^o - 30°C	0.99 - 1.05
pH	6 - 9
Compatibility:	Compatible with most cationic and nonionic products used in textile finishing, including optical brighteners & pigments, tinting agents
Solubility in water at 25°C:	Soluble
Storage stability:	ULTRASIL MICRO is stable for 12 months when properly stored in closed containers at 25°C
Ecology/Toxicology:	The usual hygiene and safety rules for handling chemicals should be observed in handling, storage and use of the product. The product must not be swallowed.

APPLICATION

Padding application

5 – 30g/l ULTRASIL MICRO

Bath pH- 5-6

Is recommended in the padding bath depending on the type of fabric and softness desired, followed by drying at 145 °C for 45 – 60 seconds.

NOTES

- Bath Stable up to pH 12
- Stable to hard water up to 1000 ppm
- Bath with optical brightener 25 gpl is stable for 24 hrs
- Compatible with Cationic dye fixing agent, Pigment tinting agent.
- Not stable with some cationic finishing products. Customer has to test its own combination recipes of Cationic with Ultrasil Micro

It is not recommended to be used on jet machines or other machines with very high shear action as it can cause emulsion breakage.

Core pH of ready for finish fabric should be 5 – 6.

If exposed to atmospheric air for a prolonged duration product becomes hazy and creaming can occur. It should be kept all the times in closed containers away from direct sunlight.

It is advisable to use bath within 8 hours of bath preparation.

ATTENTION

The information given above is in line with our present state of knowledge and experience and is without any guarantee. Users must thoroughly test any application before any commercialization. We are not liable for damages due to improper application of our products.

