



More than just mesh

03.2016

—SAATI



HI-R

for every traditional
screen printing
application

HI-GLASS

for glass screen printing

HI-DRO

for fine detail and
water based ink
printing

HI-FORMAT

for High-end and large
format applications

HI-LO

for High-end electronic
products

HIBOND Plus

For all applications

HI-TEX

suited for textile
applications

SAATILON

Polyamide mesh for
plastic bottle printing



FEATURES

- Mesh count from 6 to 200 n/cm
- Excellent strength and dimensional stability
- Smooth monofilament fiber (PES and PA) and Terital
- Uniform and precise mesh opening
- Range of colors: yellow and white.

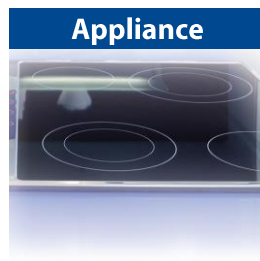
YOUR ADVANTAGES

- Improvement of print quality
- Controlled ink deposit thanks to mesh opening and thickness
- Low elongation
- Remarkable mechanical behavior

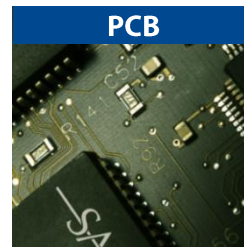
GRAPHICS



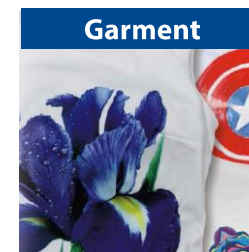
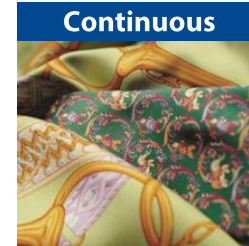
GLASS



ELECTRONICS



TEXTILE



CERAMICS



PRODUCT CHARACTERISTICS:

- Competitive price
- Up to Saati Standard Quality
- Range from 0 to 120 mesh count per cm
- available in Yellow and White color
- No surface treatment

APPLICATION:



TEXTILE CONTINUOUS

YOUR BENEFITS

- Suitable for textile screen printing application
- Excellent price/performance ratio

APPLICATION:



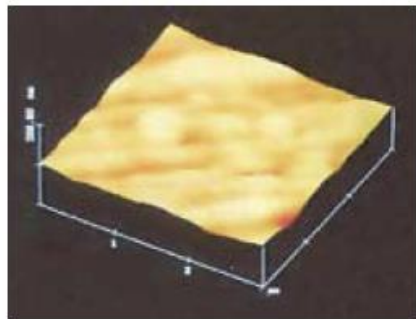
TEXTILE - GARMENT

PRODUCT CHARACTERISTICS

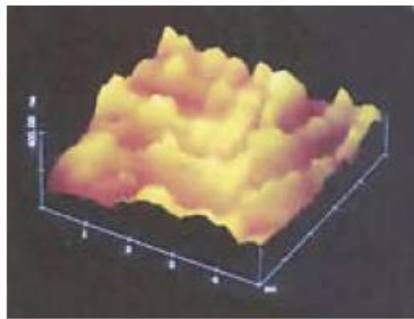
- Optimized mesh geometry
- Precise mesh opening
- Excellent antistatic properties
- Long lasting surface modification

YOUR BENEFITS

- Better ink flow due to increased open area
- Achievement of better details
- Faster print speed
- Reduced risk of ink drying
- Reduction of possible moire effect

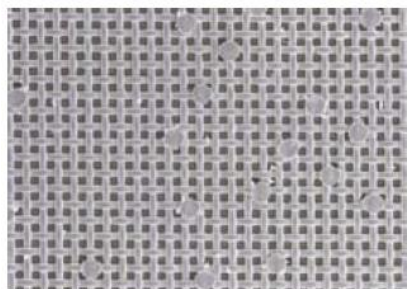


(a)

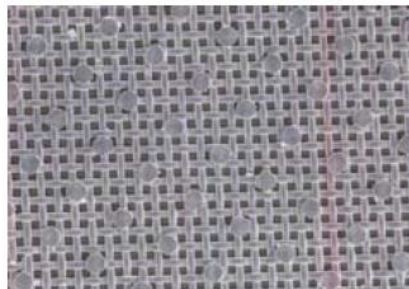


(b)

Microsection of fabric surface (AFM microphoto) from conventional fabric (a) and Saatilene HIBOND Plus (b)



(a)



(b)

(a) Shadow area with stencil dots missing;
 (b) Shadow area with stencil dots on Saatilene HIBOND Plus

PRODUCT CHARACTERISTICS:

- Safe under exposure with all emulsion types
- Excellent performance of virgin fabric
- Excellent for use with abrasive printing conditions, inks and pastes
- Helps reduce ghost imaging
- Vacuum plasma treatment
- range from 43 to 200 mesh count per cm

YOUR BENEFITS

- No degreasing pretreatment step prior to stencil processing
- Superior stencil adhesion
- Less stencil breakdown on press
- Shorter exposure times for finer detail with no compromise in stencil durability



HIGH-END TEXTILE



**HIGH-END INDUSTRIAL
GRAPHICS**



AUTOMOTIVE - GLASS



ELECTRONIC (PCB)

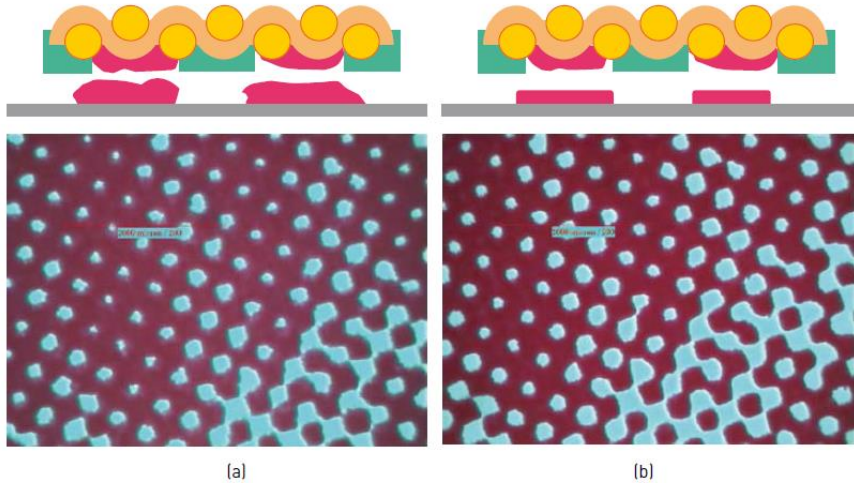


Image 1: Standard item 150 mesh count (a) vs Saatilene Hi-Format 150 mesh count (b)

Saatilene HI-FORMAT

PRODUCT CHARACTERISTICS:

- Suited to high-end and large format applications
- Optimized for the deposit when printing with UV Inks
- Excellent mechanical behavior
- Low elongation
- Precise mesh opening
- Vacuum plasma treatment

POSSIBLE APPLICATIONS:



AD BILLBOARD



VENDING MACHINES

YOUR BENEFITS

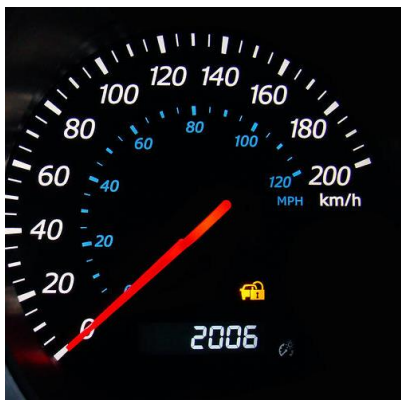
- Top printing quality
- Quality consistency
- Better printability
- Finer image resolution
- Superior stencil adhesion
- Decreased tension loss
- Improved ink flow



PRODUCT CHARACTERISTICS

- Ideal for all traditional applications
- Processed with Atmospheric Plasma (up to 3,5 mt)
- Good mechanical behavior
- Good anti-static properties

POSSIBLE APPLICATIONS:



CAR DASHBOARD



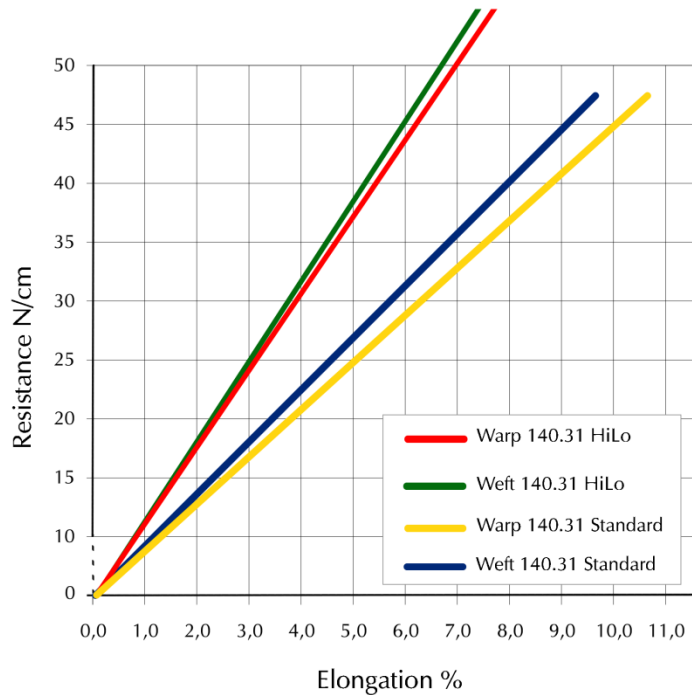
POTTERY - DECAL

YOUR BENEFITS

- The degreasing pre-treatment can be eliminated
- Superior stencil adhesion
- Good resolution of fine details
- Improved wettability and optimum stencil surface
- Suited to all emulsion types
- Helps reduce ghost imaging

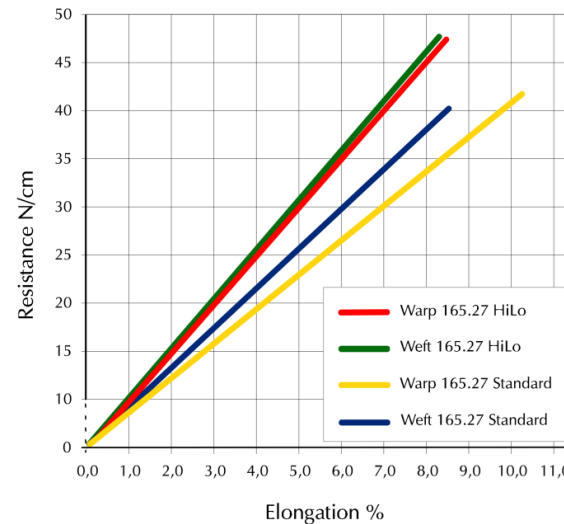
PRODUCT CHARACTERISTICS:

- Super high modulus
- Designed for high-end applications
- Processed with unique vacuum plasma surface treatment
- Extremely low and balanced elongation between warp and weft
- Extremely low relaxation
- High adhesion



YOUR BENEFITS

- High dimensional stability/ higher productivity
- Lower loss of tension after stretching
- Printing quality consistent
- Improved adhesion capability to emulsions and stencil films
- Longer shelf life
- Great resolution and definition





TABLET



SMARTPHONE



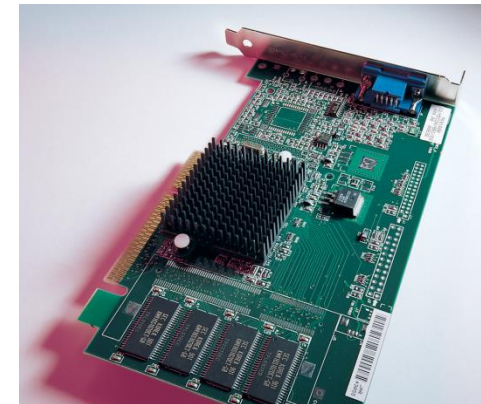
LED TV SCREEN



ATM



ALL-IN-ONE PC



PCB



PRODUCT CHARACTERISTICS

- Excellent mechanical behavior
- Low elongation
- Low relaxation
- Optimized mesh geometry
- Long lasting surface modification
- Excellent antistatic property
- Knot and visual defects inspections are available on request

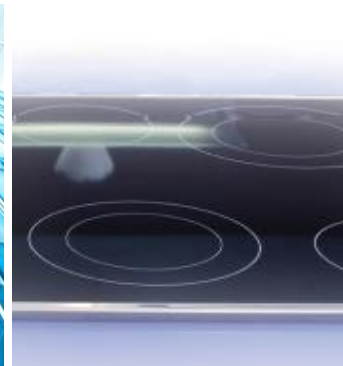
POSSIBLE APPLICATIONS:



AUTOMOTIVE



ARCHITECTURE

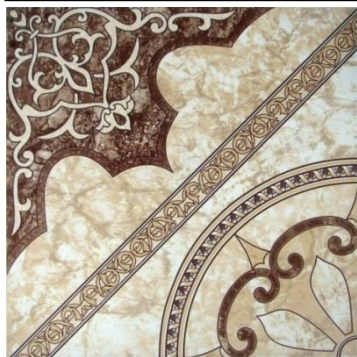


APPLIANCE

YOUR BENEFITS

- Safer with under exposure with all emulsion types
- No degreasing request
- Reduction of electric static charges

POSSIBLE APPLICATIONS:



PRODUCT CHARACTERISTICS

- Monofilament polyamide fiber
- Mesh count from 12 to 200 n/cm
- Standard white color.
- Yellow is available on demand

YOUR BENEFITS

- Suitable for abrasive ink
- Easy to fit to uneven surfaces
- Excellent for screen printing on tiles , irregular surfaces and plastic bottles