SAATI

We cross-innovate

HI-FORMAT® MESH

High Tensile, Thinner Thread Vacuum Plasma Surface-Modified Mesh For High Demand Oversize Printing

SAATI Hi-Format mesh addresses traditional problems associated with printing large banners and oversized substrates. Hi-Format offers a thinner yet stronger thread combined with proprietary weaving properties.

KEY PRODUCT CHARACTERISTICS:

- Excellent mechanical behavior
- Low elongation
- Optimized mesh geometry and precise mesh openings due to improved production process
- Long lasting surface modification thanks to vacuum plasma treatment

HIGH TENSILE STRENGTH THREAD

- Allows for thinner thread diameter
- Lower dot height profile reduces dot gain
- Reduces moiré in halftones
- Matches G7 targets
- Strict tolerance control
- Ink volume consistency
- Improves ink passage & deposit
- Woven to ISO 9000 standards

OTHER ADVANTAGES:

- Safer with under exposure with all emulsion types: Photopolymer, Dual-Cure, Diazo and Capillary Films
- Excellent performance on virgin fabric
- Excellent choice for long multicolor runs where stencil breakdown is so costly
- No degreasing required under normal circumstances

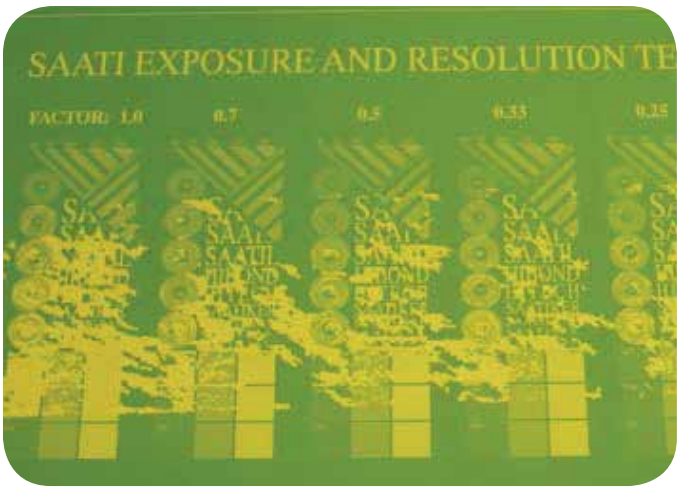
Mesh Count (in)	Thread Diam. (um)	Weave	Color	82-85 Inches	91-92 Inches	99-101 Inches
355	33	PW	White, Yellow	X	X	X
380	33	PW	White, Yellow	X	X	X

Mesh Count (in)	Nominal Thread Diameter	Mesh Opening (UM)	Open Area (%)	Fabric Thickness (UM)	Theoretical ink Volume (cm3/cm2)	Recom. tension (N/cm)
355	33	32	20%	49	10	26-28
380	33	32	15%	49	7	27-30

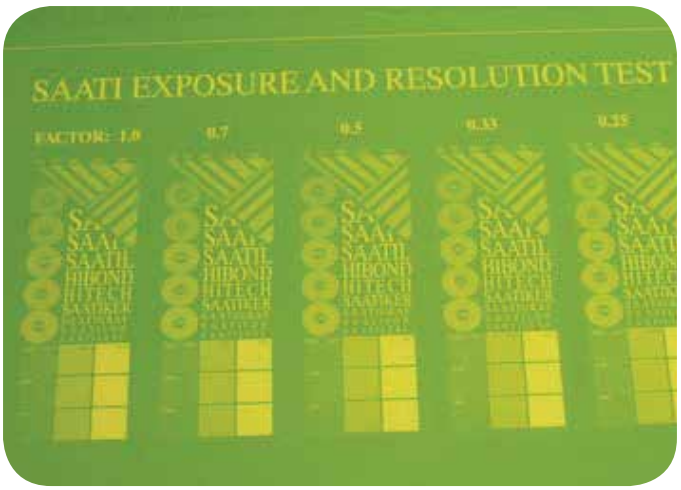
The above data are average values measured on piece-good in relaxed state, manufactured with threads of a perfect nominal diameter (cfr. international standards), under normal hygrometric conditions (20°C=68°F, 65% relative humidity).
They are subject to normal variations up to 7% if conditions vary from those stated above. (Call to check for availability.)

HI-FORMAT® MESH

ADHESION TEST (TAPE)

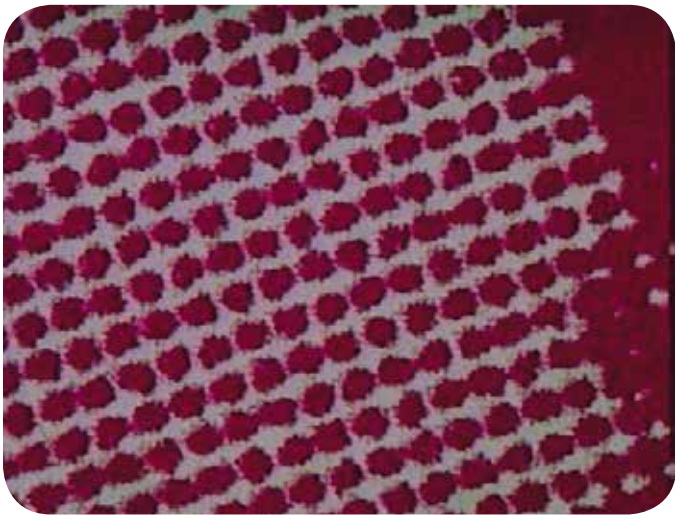


Without Surface Treatment

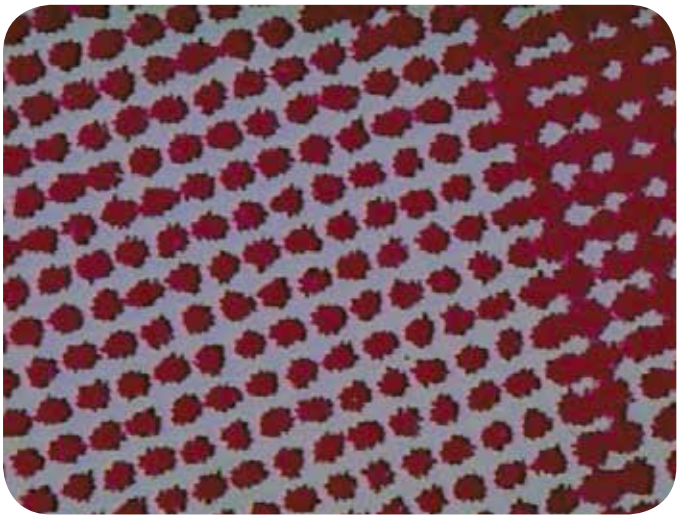


With Surface Treatment

HALFTONE PRINTING

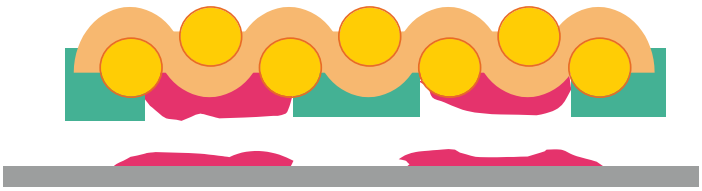


Dot Gain Due To High Oft

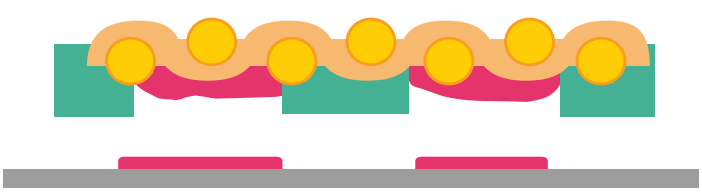


Lower Dot Profile With Hi-Format

DOT PROFILE



Dot Gain Due To High Oft



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