



# SAATILENE<sup>®</sup> HI-DRO<sup>®</sup>

## SURFACE TREATED MESH FOR WATER- BASED INK PRINTING

*High tensile, thinner thread for printing  
water-based inks in high resolution*

Saatilene HI-DRO is a high modulus, low elongation monofilament polyester screenprinting fabric with a proprietary surface treatment developed to meet the requirements of garment printing applications. Especially designed to optimize the deposit when printing with water-based inks, this new range was constructed maintaining the same mesh count and using thinner thread diameters.

### KEY PRODUCTS CHARACTERISTICS

- ◆ Optimized mesh geometry and precise mesh openings due to the improved production process
- ◆ Excellent antistatic property
- ◆ Long lasting surface modification thanks to plasma treatment

### YOUR BENEFITS

- ◆ Achieve better details and halftone performance
- ◆ Better ink flow due to increased open area
- ◆ Reduced squeegee pressure on the screen due to better ink flow
- ◆ Less mesh interference due to thin thread
- ◆ Faster print speed (especially for white base)
- ◆ Reduced risk of ink drying in the screen
- ◆ Reduction of possible moire effect

MESH COUNT		TYPE OF WEAWE*	THREAD DIAMETER	MESH OPENING	OVERALL FABRIC THICKNESS	PERCENTAGE OF OPEN AREA	THEORETICAL INK DEPOSIT	MAXIMUM RECOMMENDED TENSION
per inch	per cm		microns	microns	microns	%	cm <sup>2</sup> /m <sup>3</sup>	n/cm
81	32	PW	70	245	110	61	67.1	24-26
110	43	PW	64	170	100	53	53.0	27-30
122	48	PW	55	153	90	55	49.5	24-26
140	55	PW	48	127	80	51	39.0	23-26
157	62	PW	48	107	80	56	36.8	25-28
198	78	PW	40	85	63	44	27.7	19-21
196	77	PW	48	78	79	36	29.0	24-26
230	90	PW	40	68	62	38	23.6	21-24
305	120	PW	31	53	48	40	19.2	21-24

#### USA

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#### FOR MORE INFO

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