

SAATILENE HI-R



Saatilene HI-R is a high modulus, low elongation monofilament polyester screen printing fabric with a proprietary surface treatment ideal for all traditional applications.

BENEFITS:

- Ready to use: the degreasing pre-treatment can be eliminated.
- Superior stencil adhesion, resulting in less stencil breakdown on press, delivering longer print runs far beyond other conventional treated fabrics.
- Better resolution of fine details.
- Improved wettability and optimum stencil surface.

THE ATMOSPHERIC PLASMA PROCESS:

It is a plasma technology, that is highly innovative in the field of textiles surface treatments. It is based on a DBD electric discharge (Dielectric Barrier Discharge) where an electrical discharge between two electrodes ionizes the air surrounding the electrodes. This kind of process modifies the fabric surface at a nano scale.

WHAT MAKES HI-R SO DIFFERENT?

The surface modification treatment is applied to all our fabrics, also for wide widths (up to 4 meters).

OTHER ADVANTAGES:

- Safe under exposure with all emulsion types, Photopolymer, Dual-Cure, Diazo and Capillary Films.
- Holds finer detail with no compromise in stencil durability (halftones, fine lines etc.).
- Excellent for use with abrasive printing conditions, inks and pastes.
- Good mechanical behavior.
- Friendly use.
- Helps reduce ghost imaging.
- Good anti-static properties.

ARTICLE	MESH COUNT		NOMINAL THREAD DIAMETER	MESH OPENING	OPEN AREA	FABRIC THICKNESS	THEORETICAL INK VOLUME	SPECIFIC CROSS-SECTION	MAXIMUM RECOMMENDED TENSION FROM-TO
	cm	in.	μ	μ	%	μ	cm ³ / m ²	mm ² / cm	N / cm
PE AM 34.100 PW	34	86	100	185	41	173	68	0.267	35-40
PE AM 36.90 PW	36	91	90	190	45	150	70	0.229	35-40
PE AM 36.100 PW	36	91	100	175	38	170	67	0.282	35-40
PE AM 38.90 PW	38	96	90	170	42	161	67	0.242	35-40
PE AM 40.80 PW	40	102	80	170	44	135	62	0.201	35-40
PE AM 40.90 PW	40	102	90	160	40	153	63	0.254	35-40
PE AM 43.80 PW	43	110	80	150	43	123	51	0.216	35-37
PE AM 45.70 PW	45	114	70	148	47	115	51	0.173	30-34
PE AM 48.55 PW	48	122	55	153	55	90	49	0.144	24-26
PE AM 49.70 PW	49	125	70	130	40	113	46	0.188	30-34
PE AM 49.80 PW	28	125	80	120	35	132	15	0.246	34-50
PE AM 51.70 PW	51	129	70	120	38	113	42	0.196	30-35
PE AM 55.64 PW	55	140	64	120	41	98	42	0.176	26-31
PE AM 55.70 PW	55	140	70	105	33	114	38	0.211	30-34
PE AM 62.64 PW	62	158	64	90	32	94	29	0.199	30-34
PE AM 68.55 PW	68	173	55	89	36	79	29	0.161	25-30
PE AM 71.55 PW	71	180	55	80	33	86	28	0.168	25-30
PE AM 77.48 PW	77	196	48	73	36	88	28	0.139	24-26
PE AM 77.55 PW	77	196	55	63	28	92	22	0.182	27-32
PE AM 90.40 PW	90	230	40	68	38	63	24	0.113	20-24
PE AM 90.48 PW	90	230	48	55	27	74	18	0.162	27-29
PE AM 100.40 PW	100	255	40	55	32	68	21	0.125	26-28
PE AM 100.48 PW	100	255	48	40	16	81	13	0.181	30-34
PE AM 110.34 PW	110	280	34	50	35	57	17	0.099	22-24
PE AM 110.40 PW	110	280	40	47	26	69	18	0.183	25-30
PE AM 120.31 PW	120	305	31	47	40	46	15	0.090	21-24
PE AM 120.34 PW	120	305	34	45	29	55	16	0.108	24-26
PE AM 120.40 PW	120	305	40	38	20	65	14	0.150	27-32
PE AM 130.34 PW	130	330	34	39	26	55	14	0.118	24-27
PE AM 140.31 PW	140	355	31	38	28	44	13	0.105	20-22
PE AM 140.34 PW	140	355	34	29	16	56	9	0.127	23-26
PE AM 150.31 PW	150	380	31	30	20	49	10	0.113	22-24
PE AM 150.34 PW	150	380	34	21	13	58	6	0.136	25-27
PE AM 165.31 PW	165	420	31	25	17	41	7	0.125	24-26
PE AM 165.34 TW	165	420	34	25	16	65	11	0.149	24-28
PE AM 180.31 TW	180	450	31	23	17	56	10	0.136	23-27
PE AM 200.31 TW	180	460	27	24	18	43	8,024832	0.103	18-22
PE AM 180.27 PW	200	508	31	18	13	60	7,776	0.150	23-27

ARTICLE	113-118,9	134-139,9	155-161,9	184-189,9	210-215,9	232-235,9	252-256,9	303-309,9	363-369,9	402-404,9
	AS	BS	CS	DS	ES	FS	GS	HS	IS	LS
PE AM 34.100 PW	w-y	w	w-y				w		w	
PE AM 36.90 PW	w	w	w			w	w	w		
PE AM 36.100 PW			w				w			
PE AM 38.90 PW			w-y							
PE AM 40.80 PW	w	w	w	w	w					
PE AM 40.90 PW	w	w	w							
PE AM 43.80 PW	w-y	w-y	w-y	w-y	w	w	w	w		
PE AM 45.70 PW	w		w	w						
PE AM 48.55 PW		w	w		w	w				
PE AM 49.70 PW	w-y	w-y	w-y	w-y	w	w	w	w		
PE AM 49.80 PW			w							
PE AM 51.70 PW	w	w	w							
PE AM 55.64 PW	w-y	w-y	w-y	w-y	w	w	w	w	w	
PE AM 55.70 PW	w		w							
PE AM 62.64 PW	w-y	w-y	w-y	w-y	w-y	w	w	w		
PE AM 68.55 PW	w-y	w-y	w-y	w-y	w-y	w	w	w		
PE AM 71.55 PW	w-y	w-y	w-y	w-y	w-y	w	w	w		
PE AM 77.48 PW	w-y	w-y	w-y	w-y	w-y	w-y	w-y			
PE AM 77.55 PW	w-y	w-y	w-y	w-y	w-y	w-y	w-y	w	w	
PE AM 90.40 PW	w-y	w-y	w-y	w-y	w	w	w			
PE AM 90.48 PW	w-y	w-y	w-y	w-y	w-y	w-y	w-y	w		
PE AM 100.40 PW	w-y	w-y	w-y	w-y	w-y	w-y	w-y			
PE AM 100.48 PW			w							
PE AM 110.34 PW	w-y	y	w-y							
PE AM 110.40 PW	y		w-y	y	y					
PE AM 120.31 PW	y-w	y	y-w							
PE AM 120.34 PW	w-y	w-y	w-y	w-y	w-y	w-y	w-y	w		
PE AM 120.40 PW	w-y	w-y	w-y	w-y	w	w	w	w		
PE AM 130.34 PW	w-y	y	w-y	y						
PE AM 140.31 PW	w-y	y	w-y	y						
PE AM 140.34 PW	w-y	w-y	w-y	y	w-y	w-y	y			
PE AM 150.31 PW	y	y	y	y	y	y	y			
PE AM 150.34 PW	w-y	y	w-y	y	w-y	w-y	w-y	w-y		
PE AM 165.27 PW	y	y	y							
PE AM 165.31 PW	w-y	y	w-y		y	y				
PE AM 165.34 TW	w-y	y	w-y							
PE AM 180.31 TW	y-w	y	w-y	y	y					

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