

SAATILENE Hi-R

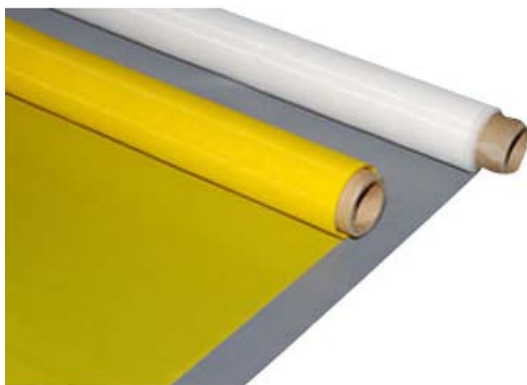
Saatilene screen printing fabrics

USE

Saatilene Hi-R is a high-tension and low stretching monofilament polyester screen printing fabric with patented surface treatment ideal for all traditional applications. The atmospheric plasma process is a highly innovative plasma technology in the fabric surface treatment sector. It is based on a dielectric-barrier discharge (DBD) thanks to which an electric discharge between two electrodes ionises the air surrounding the electrodes. This type of process modifies the fabric surface at a nanoscale. The surface modification treatment is applied on all types of fabrics, even very large ones (up to 4 metres).

DESCRIPTION AND FEATURES

- Ready to use: the preliminary degreasing treatment can be eliminated.
- Ideal adherence of stencil with ensuing minor breakage on the press and much longer stretches than other conventional fabrics treated.
 - Better resolution of fine details.
 - Better wetting capability and excellent stencil surface.
 - Safe exposure to all types of emulsions, fotopolimeric, double polymerisation, diazo and capillary films.
 - Production of finer detail without ruining durability of stencil (half-coloured, fine sections, etc.).
 - Excellent for use with abrasive printing conditions, pastes and inks.
 - Good mechanical behaviour.
 - Easy to use.
 - Helps reducing ghost imaging.
 - Good antistatic properties.



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Article	Mesh count	Nominal thread diameter	Mesh opening	Open area	Fabric thickness	Theoretical ink volume	Specific cross-section	Maximum
			μ	%	μ	cm ³ /m ²	mm ² /cm	N/cm
PE AM 34.100 PW	34 86	100	185	41	173	71	0.267	35-40
PE AM 36.90 PW	36 91	90	179	41	146	60	0.229	35-40
PE AM 36.100 PW	36 91	100	178	41	175	72	0.282	35-40
PE AM 38.90 PW	38 96	90	170	42	161	68	0.242	35-40
PE AM 40.80 PW	40 102	80	170	44	135	59.4	0.201	35-40
PE AM 40.90 PW	40 102	90	160	40	148	59	0.254	35-40
PE AM 43.80 PW	43 110	80	150	43	123	53	0.216	35-37
PE AM 45.70 PW	45 114	70	148	47	115	54	0.173	30-34
PE AM 48.55 PW	48 122	55	153	55	90	49.5	0.144	24-26
PE AM 49.70 PW	49 125	70	130	40	113	45.3	0.188	30-34
PE AM 49.80 PW	28 125	80	120	35	132	46	0.246	34-50
PE AM 51.70 PW	51 129	70	120	38	113	43	0.196	30-35
PE AM 55.64 PW	55 140	64	120	41	98	40	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	30	0.199	30-34
PE AM 68.55 PW	68 173	55	89	36	79	28.5	0.161	25-30
PE AM 71.55 PW	71 180	55	80	33	86	28.5	0.168	25-30
PE AM 77.48 PW	77 196	48	73	36	88	31.7	0.139	24-26
PE AM 77.55 PW	77 196	55	63	28	92	25.8	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	20	0.162	27-29
PE AM 100.40 PW	100 255	40	55	32	68	21.8	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	20	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	18.4	0.09	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	13	0.15	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	12.4	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	9.8	0.113	22-24
PE AM 150.34 PW	150 380	34	21	13	58	7.5	0.136	25-27
PE AM 165.27 PW	165 420	27	24	25	45	11.25	0.094	17-21
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	10.5	0.149	24-28
PE AM 180.31 TW	180 450	31	23	17	56	9.5	0.136	23-27

The above are average values measured on piece-good in a relaxed state, manufactured with yarns of a perfect nominal diameter (cfr. international standards) under normal hygrometric conditions (20°C=68°F, 65% relative humidity). Specifications are subject to normal variations of 7% on thread counts when conditions vary from those stated above.



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Article	AS	BS	CS	DS	ES	FS	GS	HS	IS	LS
	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
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	w-y	y	w-y							
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	w-y	y	w-y	y	y					

PW: Plain weave (1:1), TW: Twill weave (1:2 - 2:2), W=white, Y=yellow. Orange items are available on demand.



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