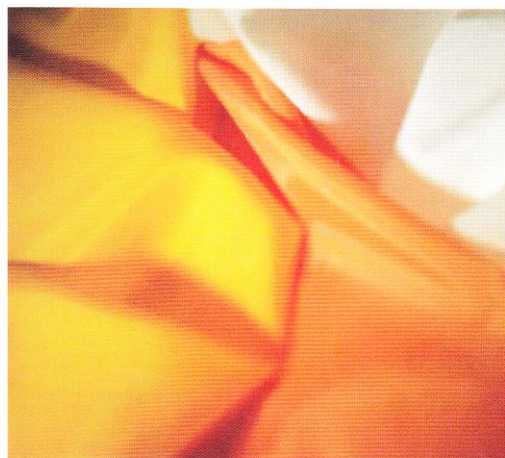


SAATILENE Hi-R

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

SAATILENE Hi-R

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	0.090	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	13	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	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 data are average values measured on piece-good in relaxed state, manufactured with yarns 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.