

Hi-Glass® Mesh

Surface Treated Mesh for Glass Printing Applications

Exclusively developed for glass screen printing industry, SAATI Hi-Glass is an innovative high modulus, low elongation monofilament polyester screen printing fabric with a proprietary surface treatment. Its excellent dimensional stability improves the printing registration, while its uniform mesh openings and fabric thickness guarantee controlled ink deposit.

Key Products Characteristics

- Excellent mechanical behavior
- Low elongation
- Low relaxation
- Optimized mesh geometry and precise mesh openings due to improved production process
- Long Lasting surface modification thanks to Plasma treatment
- Excellent antistatic properties



Specifications

Article	Mesh Count	Mesh Count	Nominal Thread Diameter	Mesh Opening	Open Area	Fabric Thickness	Theoretical Ink Volume	Specific Cross-Section	Max. Recom. Tension
	n°/cm	n°/inch	µm	µm	%	µm	cm³/m²	mm²/cm	N/cm
PE AM 34.100 PW	34	86	100	185	41	173	71	0.267	35-40
PE AM 43.80 PW	43	110	80	150	43	138	59	0.216	35-37
PE AM 49.70 PW	49	125	70	130	40	116	46	0.188	30-34
PE AM 55.64 PW	55	140	64	120	41	105	43	0.177	26-31
PE AM 62.64 PW	62	158	64	90	32	106	34	0.199	30-34
PE AM 68.55 PW	68	173	55	89	36	89	32	0.161	25-30
PE AM 71.55 PW	71	180	55	80	33	93	31	0.169	25-30
PE AM 77.48 PW	77	196	48	78	36	78	28	0.139	24-26
PE AM 77.55 PW	77	196	55	70	28	90	25	0.183	27-32
PE AM 90.40 PW	90	230	40	68	38	62	24	0.113	20-24
PE AM 90.48 PW	90	230	48	55	27	81	22	0.163	27-29
PE AM 120.34 PW	120	305	34	45	29	54	16	0.109	24-26
PE AM 120.40 PW	120	305	40	38	20	67	13	0.151	27-32

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.

The listed technical specifications, exception made for the thread diameter indicated with its nominal value, are referred to the arithmetic mean value of production samples and are subject to change, in accordance with our policy of continuously improving our products.

The tension tests are realised with TOP 12 clamp system and appropriate frames at our laboratories.

Available in white and yellow colors in different widths. For actual availability, please contact your sales representative.

PW: Plain Weave (1:1).