

Title (en)

POLYESTER MONOFILAMENT FOR SCREEN CLOTH AND WOVEN MESH FABRIC FOR DIRECT DIGITAL PLATEMAKING

Title (de)

POLYESTER-MONOFILAMENT FÜR SIEBGeweBE UND MASCHENGeweBE ZUR DIREKTEN DIGITALEN PLATTENHERSTELLUNG

Title (fr)

MONOFILAMENT DE POLYESTER POUR TISSU DE TAMIS ET TISSU À MAILLES TISSÉES POUR LA FABRICATION DIRECTE DE PLAQUES NUMÉRIQUES

Publication

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Application

EP 19865767 A 20190925

Priority

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Abstract (en)

The present invention provides a polyester monofilament for screen mesh cloths, which needs no dyeing step and is suitable for use in direct digital platemaking in which no positive film is used. The polyester monofilament makes it possible to attain a reduction in emulsion curing time and to thereby conduct highly precise screen printing in a short time period, has excellent laser-light transmission, and has excellent higher-order passability in weaving. The polyester monofilament for screen mesh cloths of the present invention has a transmittance, in irradiation with light having a wavelength of 405 nm, of 30% or greater and has a breaking tenacity of 4.3-9.0 cN/dtex, an elongation at rupture of 11.0-50.0%, and a 10% modulus of 2.5-9.0 cN/dtex.

IPC 8 full level

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