

Title (en)

A METHOD OF SIZING HYDROPHOBIC YARNS, AND SIZING COMPOSITIONS FOR USE IN WATER JET LOOMS

Publication

EP 0052949 A3 19830720 (EN)

Application

EP 81305084 A 19811028

Priority

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- US 31156181 A 19811016

Abstract (en)

[origin: EP0052949A2] A sizing composition for hydrophobic yarn prior to weaving comprises an acid pH latex of a free radical initiated vinyl polymer and drying the yarn. The polymer has a weight average molecular weight of from about 300,000 to about 2,500,000, and in dried film form is hydrophobic, not redispersible in a solution at a low pH and redispersible in an alkaline aqueous medium. The polymer is prepared from monomers comprising about 8% to about 14% by weight ethylenically unsaturated acid. The average solubility parameter of the monomers in the polymer is between about 9.0 and about 9.5; the calculated polymer T_g is between about -20 DEG C. and 20 DEG C. Preferred yarns are nylon and polyester. Also disclosed are methods of sizing synthetic hydrophobic yarns with the size compositions and weaving the sized yarns.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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