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[54] A method of sizing hydrophobic yarns, and sizing compositions for use in water jet looms.

(5) 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°C. and 20°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.



EUROPEAN SEARCH REPORT

Application number

EP 81 30 5084

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appro of relevant passages		riate, Relevant to claim		CLASSIFICATION OF THE APPLICATION (Int. Cl. ²)
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