

Title (en)
DYED OLEFIN YARN AND TEXTILE FABRICS USING SUCH YARNS

Title (de)
GEFÄRBTES OLEFINGARN UND TEXTILE FLÄCHENGEBILDE DAMIT

Title (fr)
FIL TEINT A BASE D'OLEFINE ET TISSUS TEXTILES UTILISANT DE TELS FILS

Publication
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Application
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Abstract (en)
[origin: WO2006098730A1] A disperse dyeable fiber or filament is comprised principally of polyolefin modified with PETG to accept the disperse dyes. The combining of maleic anhydride with the PETG provides good dispersion of the PETG for uniform dye results. Novel textile fabric, knitted, woven and non-woven, can be formed with yarns or fibers formed in accordance with the invention. In one aspect of the invention, fabric can be disperse dyed to a light, medium or deep solid shade. In another aspect, the textile fabrics are manufactured using olefin yarns that contain variable amounts of dye acceptor additives. A fabric with more than one tone of a color thus can be dyed in a single dye bath. The fabrics and yarn according to this invention can be processed using conventional spinning, weaving, knitting, web formingl machines and will dye using existing dyeing and finishing systems. This invention is of particular value in the apparel and home furnishings industry.

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