

Title (en)

BIODEGRADABLE ORIENTED AROMATIC POLYESTER FILM AND METHOD OF MANUFACTURE

Title (de)

BIOABBAUBARE, ORIENTIERTE AROMATISCHE POLYESTER FILME UND HERSTELLUNGSVERFAHREN

Title (fr)

FILM POLYESTER AROMATIQUE ORIENTE BIODEGRADABLE ET PROCEDE DE FABRICATION

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Application

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Abstract (en)

[origin: WO0110928A1] The present invention relates to an oriented aromatic polyester film and a method of manufacture thereof. The film is biodegradable, transparent and heat-sealable, and has excellent mechanical properties. The film comprises an acid component that is about 50 to 90 mol % terephthalic acid, about 0.2 to 6 mol % sulfonic acid metal salt, and about 4 to 49.8 mol % aliphatic dicarboxylic acid; and a glycol component that is about 50 to 99.9 mol % ethylene glycol and about 0.1 to 50 mol % diethylene glycol. The film has an impulse seal strength and a high-frequency seal strength of at least 3 N/15 mm. In addition, the film also has low moisture vapor transmission, oxygen transmission and carbon dioxide transmission, and has ultrasonic sealability.

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