

Title (en)
PERMEABLE POLYPROPYLENE FILM

Title (de)
DURCHLÄSSIGE POLYPROPYLENFOLIE

Title (fr)
FILM DE POLYPROPYLENE PERMEABLE

Publication
EP 1877250 A2 20080116 (EN)

Application
EP 06721152 A 20060303

Priority
• US 2006007751 W 20060303
• US 11467105 A 20050426

Abstract (en)
[origin: WO2006115585A2] A permeable, propylene-containing film structure including a core layer containing a propylene polymer matrix that has been cavitated by a two- component cavitation system, wherein the first component of the two-component cavitation system is a beta-nucleating agent to produce the beta-crystalline form of polypropylene and the second component is a filler. The film structure also includes first and second thermoplastic skin layers on either side of the core layer, respectively. A method of manufacturing a permeable propylene-containing film structure, including: forming a melt containing a propylene polymer, a beta- nucleating agent and a filler; cooling the melt to form a film layer; and stretching the film layer. The film structure has a water vapor transmission rate greater than 300 g/m²/day and a Gurley air permeability less than 3,000 s/10 cc.

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Citation (search report)
See references of WO 2006115585A2

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