

Title (en)  
BIAXIALLY ORIENTED POLYETHYLENE FILMS

Title (de)  
BIAXIAL ORIENTIERTE POLYETHYLENFILME

Title (fr)  
FILMS DE POLYETHYLENE A ORIENTATION BIAXIALE

Publication  
**EP 0876250 A1 19981111 (EN)**

Application  
**EP 96944865 A 19961218**

Priority  
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Abstract (en)  
[origin: WO9722470A1] Articles and films are provided from ethylene-based polymers made using a metallocene catalyst system. Biaxial orientation dramatically improves clarity, stiffness, dart drop impact, puncture resistance, and shrink. Tensile strength at yield and ultimate tensile are also improved. Film stiffness, as measured by secant modulus, is increased by 300 % over an unoriented film of the same ethylene polymer. These articles and films are useful as shrink wrap, overwrap, and for dry packaging applications such as snacks and cereals as well as non-packaging applications such as photograph and document holders.

IPC 1-7  
**B32B 7/12**

IPC 8 full level  
**B29C 55/12** (2006.01); **C08F 10/02** (2006.01); **C08J 5/18** (2006.01)

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