

Title (en)

TRANSPARENT POLYAMIDE BLOCK AND POLYETHER BLOCK COPOLYMERS

Title (de)

TRANSPARENTE COPOLYMERE MIT POLYAMID- UND POLYÄTHERBLÖCKEN

Title (fr)

COPOLYMERES TRANSPARENTS BLOCS POLYAMIDES ET BLOCS POLYETHERS

Publication

**EP 1560872 A1 20050810 (FR)**

Application

**EP 03778448 A 20031023**

Priority

- FR 0303148 W 20031023
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Abstract (en)

[origin: WO2004037898A1] The invention relates to polyamide block and polyether block copolymers in which: the polyether blocks essentially comprise PTMG having a number-average molar mass Mn of between 200 and 400 g/mol; the polyamide blocks comprise a linear (non-cyclic, non-branched) aliphatic semi-crystalline majority monomer and a sufficient quantity of at least one comonomer such that the crystallinity of said blocks is diminished while they remain immiscible with the amorphous polyether blocks; and the Shore D hardness is between 20 and 70. The inventive copolymers can be used to produce numerous different objects and, in particular, sports shoes.

IPC 1-7

**C08G 69/40; C08G 69/44**

IPC 8 full level

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**C08G 2261/126** (2013.01 - KR)

Citation (search report)

See references of WO 2004037898A1

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