

Title (en)
ISOBUTYLENE-BASED ELASTOMER BLENDS

Title (de)
ISOBUTYLENELASTOMER ENTHALTENDE ZUSAMMENSETZUNGEN

Title (fr)
MELANGES ELASTOMERES A BASE D'ISOBUTYLENE

Publication
EP 1360231 A2 20031112 (EN)

Application
EP 01930842 A 20010426

Priority
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• US 56936300 A 20000511

Abstract (en)
[origin: WO0185837A2] The improved green strength, green elongation, and green relaxation properties of isobutylene-based elastomers at elevated temperatures along with improved aging and barrier properties are achieved by blending semi-compatible, semi-crystalline copolymers with the isobutylene elastomers. The semi-crystalline copolymers are typically copolymers of ethylene and an alpha-olefin having from 4 to 16 carbon atoms. The improved properties are maintained in subsequent rubber compounds containing said blends and are particularly useful in tire and pharmaceutical container applications.

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IPC 8 full level
B60C 1/00 (2006.01); **C08J 5/18** (2006.01); **C08K 5/00** (2006.01); **B60C 5/14** (2006.01); **C08L 9/06** (2006.01); **C08L 23/04** (2006.01); **C08L 23/16** (2006.01); **C08L 23/18** (2006.01); **C08L 23/22** (2006.01); **C08L 23/28** (2006.01); **C08L 23/08** (2006.01)

CPC (source: EP)
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