

Title (en)

Polyolefine masses containing alkaline-earth metal carbonates, and a process for their production.

Title (de)

Erdalkalicarbonat enthaltende Polyolefin-Formmassen und ihre Herstellung.

Title (fr)

Masses à mouler contenant une polyoléfine et un carbonate alcalino-terreux ainsi que leur préparation.

Publication

**EP 0000726 A1 19790221 (DE)**

Application

**EP 78100497 A 19780725**

Priority

DE 2735160 A 19770804

Abstract (en)

[origin: US4174340A] In the case of polyolefins filled with alkaline earth metal carbonates, a very good compatibility of the hydrophilic filler and the hydrophobic polymer matrix is reached when using as adhesion promoters certain organo-phosphorus compounds. As a result, improved mechanical properties are obtained with the articles made of plastic material that has been prepared from such polyolefin molding compositions.

Abstract (de)

Bei mit Erdalkalicarbonaten gefüllten Polyolefinen wird eine sehr gute Verträglichkeit zwischen dem hydrophilen Füllstoff und der hydrophoben Polymermatrix erreicht, wenn als Haftvermittler bestimmte phosphororganische Verbindungen verwendet werden. Man erhält verbesserte mechanische Eigenschaften bei den aus derartigen Polyolefinformmassen hergestellten Kunststoffgegenständen.

IPC 1-7

**C08L 23/02**; **C08K 9/04**

IPC 8 full level

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C-Set (source: EP US)

1. **C08K 3/26** + **C08L 23/02**
2. **C08K 5/5333** + **C08L 23/02**
3. **C08K 9/04** + **C08L 23/02**

Citation (search report)

- FR 2268048 A1 19751114 - UNIFOS KEMI AB [SE]
- FR 2027141 A1 19700925 - DU PONT
- [A] FR 2028542 A1 19701009 - PHILLIPS PETROLEUM CO

Cited by

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