

Title (en)
THERMOPLASTIC MOLDING COMPOUND HAVING IMPROVED NOTCH IMPACT STRENGTH

Title (de)
THERMOPLASTISCHE FORMMASSE MIT VERBESSERTER KERBSCHLAGZÄHIGKEIT

Title (fr)
MATIÈRE À MOULER THERMOPLASTIQUE PRÉSENTANT UNE RÉSISTANCE AU CHOC SUR ÉPROUVETTE ENTAILLÉE AMÉLIORÉE

Publication
EP 2758474 A1 20140730 (DE)

Application
EP 12756512 A 20120912

Priority

- EP 11182189 A 20110921
- EP 2012067798 W 20120912
- EP 12756512 A 20120912

Abstract (en)
[origin: EP2573142A1] Thermoplastic molding composition comprises (in wt.%, based on the components): (a) a thermoplastic (70-98), (b) a polymer mixture (2-30) comprising (i) at least one polyester based on aliphatic and aromatic dicarboxylic acids and an aliphatic dihydroxy compound (30-70), (ii) polylactic acid (70-30), (iii) an epoxy groups-containing copolymer based on styrene, acrylic acid esters and/or methacrylic acid (0-10), (iv) nucleating agents, lubricants and anti-blocking agents, waxes, antistatic agents, antifogging agents, or dyes (0-15), and (c) further additives (0-40). Thermoplastic molding composition comprises (in wt.%, based on the components): (a) a thermoplastic (70-98), (b) a polymer mixture (2-30) comprising (i) at least one polyester based on aliphatic and aromatic dicarboxylic acids and an aliphatic dihydroxy compound (30-70, based on the total weight of components (i) and (ii)), (ii) polylactic acid (70-30, based on the total weight of components (i) and (ii)), (iii) an epoxy groups-containing copolymer based on styrene, acrylic acid esters and/or methacrylic acid (0-10, based on the total weight of components (i) to (iv)), (iv) nucleating agents, lubricants and anti-blocking agents, waxes, antistatic agents, antifogging agents, or dyes (0-15, based on the total weight of components (i) to (iv)), and (c) further additives (0-40). An independent claim is also included for increasing the impact strength of a thermoplastic (a), comprising mixing the components (a) thermoplastic, (b) a polymer mixture comprising polyester, polylactic acid, an epoxy groups-containing copolymer, nucleating agents, lubricants and anti-blocking agents, waxes, antistatic agents, antifogging agents, or dyes, and (c) further additives.

IPC 8 full level
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CPC (source: EP US)
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C-Set (source: EP US)
1. **C08L 27/06 + C08L 33/068 + C08L 67/02 + C08L 67/04**
2. **C08L 25/06 + C08L 33/068 + C08L 67/02 + C08L 67/04**

Citation (search report)
See references of WO 2013041423A1

Citation (examination)
EP 2053091 A1 20090429 - TEIJIN LTD [JP], et al

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