

Thermoplastic molding compositions having little intrinsic color

Abstract

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Thermoplastic molding compositions comprise, as components A) to F),

10 A) from 5 to 80% by weight of a graft polymer A) having bimodal particle size distribution made from, based on A),

a1) from 40 to 90% by weight of an elastomeric particulate graft base a1), made from, based on a1),

15 a11) from 70 to 100% by weight of at least one conjugated diene,

a12) from 0 to 30% by weight of at least one other monoethylenically unsaturated monomer and

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a2) from 10 to 60% by weight of a graft a2) made from, based on a2),

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a21) from 65 to 95% by weight of at least one vinylaromatic monomer,

a22) from 5 to 35% by weight of acrylonitrile, and

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a23) from 0 to 30% by weight of at least one other monoethylenically unsaturated monomer,

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B) from 20 to 95% by weight of a thermoplastic polymer B) having a viscosity number VN of from 50 to 120 ml/g, made from, based on B),

b1) from 69 to 81% by weight of at least one vinylaromatic monomer,

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b2) from 19 to 31% by weight of acrylonitrile, and

b3) from 0 to 30% by weight of at least one other monoethylenically unsaturated monomer

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and, if desired, further thermoplastic polymers C), D) and/or E) based on at least one vinylaromatic monomer and, if desired, additives F),



obtainable by

- 1) preparing the graft polymers A) by emulsion polymerization,
- 5 2) mixing the graft polymer A) with the polymer B) and the other components C), D), E) and/or F) if they are present, in a mixing apparatus, giving an essentially molten polymer mixture, and
- 10 3) rapid cooling of the essentially molten polymer mixture.

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