

Title (en)

TRANSPARENT THERMOPLASTIC COMPOSITION COMPRISING HOLLOW GLASS BEADS

Title (de)

TRANSPARENTE THERMOPLASTISCHE ZUSAMMENSETZUNG ENTHALTEND GLASHOHLKUGELN

Title (fr)

COMPOSITION THERMOPLASTIQUE TRANSPARENTE COMPRENANT DES BILLES DE VERRE CREUSES

Publication

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Application

**EP 03718891 A 20030218**

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Abstract (en)

[origin: WO03072645A2] The invention relates to a thermoplastic composition comprising a (meth)acrylic (co)polymer and hollow glass bead particles, or a mixture of hollow glass bead particles and mineral and/or organic compound particles. According to the invention, said light-diffusing particles have an average size of between 0.5 microm and 200 microm, a refraction index which differs from that of the transparent thermoplastic material by at least  $\pm 0.05$ , and are used in a quantity of 5 ppm to 1000 ppm by weight, in relation to the total composition. The invention also relates to the corresponding formed articles, such as plates for backlighting units.

IPC 1-7

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IPC 8 full level

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