

Title (en)
MACROPOROUS PLASTIC BEAD MATERIAL

Title (de)
MAKROPORÖSES KUNSTSTOFFPERLENMATERIAL

Title (fr)
MATIERE POUR PERLES DE MATIERE PLASTIQUE MACROPOREUSE

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Application
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Abstract (en)
[origin: US2007259968A1] (EN) The invention relates to a macroporous plastic bead material with a mean particle diameter of 10 to 1000 pm, radically polymerised from the following monomer types a) 5-40 wt. % vinylic polymerisable monomers with a water-solubility of at least 1% at 20° C. which are not vinylic polymerisable monomers with a quaternary amino group, b) 5-50 wt. % of vinylic polymerisable monomers with an additional functional group which can form covalent bonds on reaction with nucleophilic groups of ligands, c) 20-60 wt. % hydrophilic, cross-linking radically polymerisable monomers with two or more ethylenically-unsaturated polymerisable groups, characterised in that in addition d) 1 to 20 wt. % of a vinylic polymerisable monomer with a quaternary amino group are used for the polymer. The invention further relates to a method for production of the macroporous plastic bead material by inverse suspension polymerisation of monomer phase and uses thereof.

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