

Title (en)

MACROPOROUS MATERIAL IN THE FORM OF PLASTIC PEARLS

Title (de)

MAKROPORÖSES KUNSTSTOFFPERLENMATERIAL

Title (fr)

MATERIAU MACROPOREUX SE PRESENTANT SOUS LA FORME DE PERLES DE MATIERES PLASTIQUES

Publication

EP 1556427 A2 20050727 (DE)

Application

EP 03750435 A 20030825

Priority

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- EP 0309378 W 20030825

Abstract (en)

[origin: WO2004039854A2] The invention concerns a macroporous material in the form of plastic pearls, having an average particle diameter ranging between 10 and 1000 μm , containing a copolymer consisting of: a) 5 to 60 wt. % of monomers capable of being subjected to vinyl polymerization, being at least 1 % water soluble at 20 DEG C; b) 1 to 40 wt. % of monomers capable of being subjected to vinyl polymerization, comprising an additional functional group capable of being covalently bound to nucleophilic groups of ligands, during a polymerization-like reaction; c) 10 to 40 wt. % of hydrophilic monomers capable of being subjected to a crosslinking free radical polymerization, comprising at least two ethylenically unsaturated polymerisable groups; and d) 10 to 60 wt. % of monomers capable of the subjected to vinyl polymerization, not more than 1 % water soluble at 20 DEG C, the sum of the monomers a) through d) being generally equal to 100 %.

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