

FLAME-RETARDANT EXPANDABLE STYRENE RESIN PARTICLE AND
METHOD FOR PRODUCTION THEREOF

ABSTRACT

A method for producing a flame-retardant expandable styrene
5 based resin particle, the method comprising: adding, in suspension
polymerization of a styrenic monomer to obtain a styrene based resin
particle, 0.45 parts by weight to 2.0 parts by weight of
tetrabromocyclooctane with respect to 100 parts by weight of the
styrenic monomer; and then impregnating the styrene based resin
10 particle with a physical blowing agent while adjusting an impregnation
temperature to 80°C to 110°C during or after the suspension
polymerization of the styrenic monomer to obtain the flame-retardant
expandable styrene based resin particle.

15 Fig. 1