

## ABSTRACT

### STYRENIC COPOLYMER AND PRODUCTION METHOD THEREFOR, AND EXTRUDED FOAM SHEET AND MOLDED ARTICLE THEREOF

5 The purpose of the present invention is to provide a styrenic copolymer that exhibits  
superior formability, and contains less gelatinous material. This styrenic copolymer is formed  
from a conjugated divinyl compound having a number average molecular weight ( $M_n$ ) of 850-  
100,000 and one or more types of monovinyl compounds containing at least a styrenic  
compound, wherein: the contained amount of the conjugated divinyl compound is  $2.0 \times 10^{-6}$  to  
10  $4.0 \times 10^{-4}$  moles per 1 mole of the monovinyl compounds; and the styrenic copolymer has a  
weight average molecular weight ( $M_w$ ) of 200,000-500,000, and the proportion of the copolymer  
having a molecular weight of 2,000,000 or more is 0.3-6.0%.

FIG. 1