

## ABSTRACT

### MODIFIED POLYISOBUTYLENE POLYMER FOR RUBBER COMPOUNDING

#### AND RUBBER COMPOSITION INCLUDING SAME

5        Disclosed is a modified polyisobutylene polymer for rubber  
compounding. The modified polyisobutylene polymer is prepared  
by reacting reactants including a polyisobutylene in which the  
main chain is isobutylene, an unsaturated dicarboxylic  
anhydride, and an amino group-containing silane compound. The  
10 modified polyisobutylene polymer includes a diamide structure.  
When the modified polyisobutylene polymer is used as an  
additive for rubber compounding, the processability of the  
rubber is increased, the dispersibility of fillers is  
significantly improved, and the effect of obtaining excellent  
15 grip performance and improved rolling resistance can be  
achieved.

[Fig.1]