

ABSTRACT**Modified diene elastomer with reduced PDI and composition containing same**

The invention relates to a modified diene elastomer comprising:

a) at least 70% by weight, with respect to the total weight of the modified diene elastomer, of a linear diene elastomer functionalized predominantly in the middle of the chain by an alkoxysilane group, optionally partially or completely hydrolysed to give silanol, the alkoxysilane group optionally bearing another functional group capable of interacting with a reinforcing filler, the alkoxysilane group being bonded to the two branches of the diene elastomer via the silicon atom, the said functionalized diene elastomer exhibiting a polydispersity index before functionalization of less than or equal to 1.6,

b) more than 0 and up to 30% by weight, with respect to the total weight of the modified diene elastomer, of a star-branched diene elastomer exhibiting a polydispersity index before star-branching of less than or equal to 1.6,

the Mooney viscosity of the said modified diene elastomer varying from 30 to 80.

No Figure