

ABSTRACT**Modified diene elastomer of reduced polydispersity index, and rubber 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 at a chain end by an alkoxysilane group, optionally partially or completely hydrolysed to give silanol, the alkoxysilane group bearing a primary, secondary or tertiary amine functional group, the alkoxysilane group being connected to 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