

Bimodal NdBR

Abstract

- 5 The invention relates to a high molecular weight bimodal neodymium-catalysed polybutadiene having a high proportion, > 95%, of cis-1,4 units and a low proportion, < 1%, of 1,2-vinyl content, wherein the polybutadiene has a linear polymeric main fraction and a long chain branched polymeric fraction, wherein the slope in the RGM relationship is > 0.5 for the polymeric main fraction and < 0.3 for the long chain branched polymeric fraction.