

ABSTRACT

The present disclosure provides a method for manufacturing with high productivity a modified polymer equivalent to the prior art blend of a modified
5 polymer for matrix of a rubber composition and the low-molecular weight polymer. Specifically, a method for manufacturing a modified polymer, including continuously supplying a raw material monomer containing at least conjugated diene compound, a polymerization initiator containing lithium, 1,2-butadiene and a modification agent into a flow-through reactor, causing the raw material monomer
10 to be continuously polymerized to generate polymer and also causing a portion of the polymer thus generated to be modified with the modification agent, is characterized in that: the polymerization and the modification are carried out at temperature equal to 110°C or higher; and a mole ratio (1,2-Bd/Li) of the 1,2-butadiene (1,2-Bd) with respect to lithium (Li) of the polymerization initiator
15 containing lithium is set to be 0.37 or less.