

An Ethylene/ α -Olefin Copolymer and Preparation Method Thereof

Abstract

The invention relates to an ethylene/ α -olefin copolymer and a preparation method
5 thereof. The ethylene/ α -olefin copolymer has an α -olefin content of greater than or equal
to 30 wt%, a density of less than 0.875 g/cm³, a melting point of greater than or equal to
90 °C, and the α -olefin is a C₃-C₂₀ α -olefin. The ethylene- α -olefin copolymer of the
present invention has a higher use temperature range at the same comonomer content as
10 compared to conventional polyolefin elastomers, and is suitable for use in an environment
with a higher temperature.

[Fig No. 1]