

ABSTRACT

The present invention is intended to obtain an ethylene copolymer composition having excellent transparency, mechanical strength and moldability. The
5 ethylene copolymer composition comprises an ethylene/ α -olefin copolymer and high-pressure radical process low-density polyethylene. The ethylene/ α -olefin copolymer is a copolymer of ethylene and an α -olefin of 6 to 8 carbon atoms and has the following properties: the melt
10 tension (MT) and the melt flow rate (MFR) satisfy the relation $9.0 \times \text{MFR}^{-0.65} > \text{MT} > 2.2 \times \text{MFR}^{-0.84}$; the activation energy ($E_a \times 10^{-4}$ J/molK) of flow, the carbon atom number (C) of the α -olefin in the copolymer and the α -olefin content (x mol%) in the copolymer satisfy the relation
15 $(0.039 \ln(C-2) + 0.0096) \times x + 2.87 < E_a \times 10^{-4} \leq (0.039 \ln(C-2) + 0.1660) \times x + 2.87$; and the haze of an inflation film produced from said copolymer satisfies a specific relation. This ethylene copolymer composition can be
used for producing molded products such as films,
20 sheets, packaging materials, injection molded products, expansion molded products and fibers. These molded products are excellent in mechanical strength, heat resistance or transparency.