

ETHYLENE- α -OLEFIN COPOLYMER, THERMOPLASTIC RESIN COMPOSITION,
AND FILM

ABSTRACT

5

To provide an ethylene- α -olefin copolymer capable of
producing a shaped article (in particular, a film) having
excellent mechanical strength and well-balanced transparency
and blocking resistance with excellent formability. A

10 copolymer of ethylene and one or more α -olefins having 4 to
10 carbon atoms, the copolymer satisfying the following
requirements (1) to (6):

(1) Density of 890 to 925 kg/m³;

(2) MFR (190°C, 2.16 kg load) of 0.1 g/10 minutes or more and
15 less than 3.0 g/10 minutes;

(3) MT (melt tension)/ η^* (shear viscosity) of 1.20×10^{-4} to
 2.90×10^{-4} g/P;

(4) $0.01 \times 10^{-13} \times M_w^{3.4} \leq \eta_0$ (zero shear viscosity) $\leq 3.5 \times 10^{-13} \times M_w^{3.4}$;

20 (5) $-7.0 \leq M_z/M_w - M_w/M_n \leq 2.0$;

(6) Multiple peaks in melting curve of DSC.

[No Available Figure]