

ABSTRACT

A copolymer containing a constituent unit derived from ethylene and a constituent unit derived from an α -olefin having 3 to 20 carbon atoms and satisfying the following requirements (1) to (5): (1) the copolymer has a melting point (T_m) of -20°C to 100°C ; (2) the melting point (T_m) and the density D (g/cm^3) satisfy the following expression $T_m \geq 1073 \times D - 893$ (1); (3) the copolymer has a molecular weight distribution (M_w/M_n) measured by GPC of 1.6 to 5.0; (4) the copolymer has a half-width (ΔT_{half}) of a melting peak measured by DSC of 90°C or less; and (5) the half-width (ΔT_{half}) and the melting point (T_m) satisfy the relationship shown by the following expression $\Delta T_{\text{half}} \leq -0.71 \times T_m + 101.4$ (2).