ABSTRACT

A propylene polymer which is constituted of 10 to 40 wt% room-temperature n-decane soluble part (D_{sol}) and 60 to 90 wt% room-temperature n-decane insoluble part (D_{insol}), comprises skeletons derived from propylene (MP) and at least one kind of olefin (MX) selected from ethylene and C4 or more α-olefins, and satisfies all of the following requirements [1] to [5]. The polymer is characterized by having a high melting point and a high molecular weight and is suitable for use in producing various moldings therefrom. [1] the molecular weight distribution (Mw/Mn) of both D_{sol} and D_{insol} as determined by GPC is 4.0 or less; [2] the melting point (Tm) of D_{insol} is 156°C or more; [3] the sum of the 2,1-bond content and the 1,3-bond content in D_{insol} is 0.05 mol% or less; [4] the intrinsic viscosity [η] (dl/g) of D_{sol} satisfies the relationship $2.2 < [\eta] \leq 6.0$; and [5] the concentration of skeletons derived from the olefin (MX) in D_{insol} is 3.0 wt% or less.