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APPENDIX
NOMENCLATURE

θ_A	≡	Site fraction which adsorbed alkylaluminium
θ_M	≡	Site fraction which adsorbed monomer
$[A]$	≡	Alkylaluminium concentration
A	≡	alkylaluminium
A	≡	The preexponential factor or frequency factor
C^*	≡	The active site concentration
E	≡	The activation energy
k''	≡	Constant
K_A	≡	Adsorption equilibrium constant for alkylaluminium
k_d	≡	The deactivation rate constant
K_M	≡	Adsorption equilibrium constant for monomer
k_p	≡	The propagation rate constant
M	≡	Monomer
$[M]$	≡	The monomer concentration
P_{C_2}	≡	Partial pressure of ethylene
P_{H_2}	≡	Partial pressure of hydrogen
P_t	≡	Total pressure
R	≡	The gas constant
$r(t)$	≡	The polymerization rate at time t
r_0	≡	The initial rate of polymerization
R_p	≡	The polymerization rate
S	≡	Site
$S..A$	≡	Site which occupy by alkylaluminium

- $S..M$ \equiv Site which occupy by monomer
 $[Ti]$ \equiv The titanium concentration
 T_d \equiv The deactivation time constant

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