Property		Formulation
Pressure p	$=$	$\varrho T R \left[1 + \delta \alpha_\delta^{\mathrm{r}}\right]$
Specific entropy s	$=$	$R \left[\tau(\alpha_\tau^0 + \alpha_\tau^{\mathrm{r}}) - (\alpha^0 + \alpha^{\mathrm{r}})\right]$
Specific internal energy u	$=$	$T R \left[\tau(\alpha_\tau^0 + \alpha_\tau^{\mathrm{r}})\right]$
Specific enthalpy h	$=$	$T R \left[(1 + \delta \alpha_\delta^{\mathrm{r}}) + \tau(\alpha_\tau^0 + \alpha_\tau^{\mathrm{r}})\right]$
Specific Gibbs-energy g	$=$	$T R \left[(1 + \delta \alpha_\delta^{\mathrm{r}}) + (\alpha^0 + \alpha^{\mathrm{r}})\right]$