

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