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The calorimetric investigations revealed that the rhombic enstatite forms the phase of higher enthalpy and entropy with respect to low-clinoenstatite. Low-clinoenstatite should be stable below 600 °C, which is in good agreement with the transformation temperature of 630 °C, extrapolated by BOYD and ENGLAND (1965).

However, the latter will extend its field of stability

Pure synthetic enstatite:	Pure synthetic low-clinoenstatite:
optics:	
$n_x = 1.647$	$n_x = 1.650$
$n_\beta = 1.649$	$n_\beta = 1.653$
$n_y = 1.657$ (R. Schwab)	$n_\gamma = 1.660$ (R. Schwab)
lattice constants:	
$a_0 = 18.203 \text{ \AA}$	$a_0 = 9.604 \text{ \AA}$
$b_0 = 8.807 \text{ \AA}$	$b_0 = 8.815 \text{ \AA}$
$c_0 = 5.202 \text{ \AA}$	$c_0 = 5.170 \text{ \AA} \quad \beta = 71.65^\circ$
$\frac{1}{2}V = 416.97 \text{ \AA}^3$ (R. SCHWAB)	$\frac{1}{2}V = 415.47 \text{ \AA}^3$ (PEROTTA and STEPHENSON, 1965)