

Experimental Results

Pressure, kG/cm ²	Temperature, °C	Time, hours	Products
			<u>Sepiolite</u>
2000	100	22	Near initial charge
	200	48	" " "
	300	24	" " "
	350	48	Appearance of hydrous talc
	400	22	" " "
	450	24	" " "
	500	22	No sepiolite; unoriented microcrystalline talc; cristobalite
	600	24	Talc, cristobalite, quartz
			Talc, oriented on 001; less cristobalite; more quartz; appearance of mullite
			" " "
1400	300	22	Near initial charge
	400	22	Appearance of hydrous talc
	400	120	Less sepiolite; hydrous talc
	500	22	Talc, cristobalite
	600	22	Oriented talc, cristobalite, quartz, mullite
	650	22	Same
800	300	48	Near initial charge
	400	22	Appearance of hydrous talc
	350	120	Sepiolite, hydrous talc
	400	120	" " "
	500	22	" " "
	650	22	Talc, cristobalite, quartz Talc, cristobalite, quartz, mullite " " "
2000	100	22	
	200	48	
	300	23	
	350	48	
	400	22	
	450	24	
	500	22	
	550	22	
	600	24	
	700	5	
1400	300	22	<u>Palygorskite</u>
	400	22	Near initial charge
	400	120	" " "
	500	22	" " "
	550	22	Appearance of montmorillonite
	650	22	More montmorillonite
800	300	48	Same
	400	22	Montmorillonite, cristobalite, quartz
	350	120	Mixed-layer phase: montmorillonite+chlorite, quartz, traces of cordierite and talc
	400	120	Chlorite; sharp increase in quartz content; traces of talc
			Cordierite, talc, quartz
			Near initial charge
		Appearance of montmorillonite	
		Montmorillonite, cristobalite	
		Montmorillonite, quartz	
		Montmorillonite+chlorite, quartz	
		Montmorillonite+chlorite, quartz, talc, cordierite	
		Same	
		Near initial charge	
		Montmorillonite, palygorskite	
		" "	
		" "	