

Fused quartz reaction with selected elements and compounds at elevated temperatures

		Temperature [°C]										
		300	500	800	1000	1100	1200	1250	1300	1350	1400	1450
Elements	Nb											
	Mg											
	Ca											
	Ba											
	B											
	Al											
	Ti											
	Zr											
	V											
	Nb											
	Ta											
	Cr											
	Mo											
	W											
	Mn											
	Fe											
	Co											
	Ni											
	Cu											
	Ag											
	Zn											
	Cd											
	Hg											
	C											
	Si											
	Sn											
	Pb											
	As											
	Sb											
	S											
	Se											
	Ir											
	Oxides	H ₂ O										
MgO												
CaO												
Al ₂ O ₃												
SiO ₂												
P ₂ O ₅												
MoO ₃												
WO ₃												
ThO ₂												
Hydrides	Sn(OH) ₂											
	Ba(OH) ₂											
Carbonates	CaCO ₃											
	BaCO ₃											
Halides	LiCl											
	NaCl											
	KCl											
	RbCl											
	CsCl											
	NaBr											
	KBr											
	NaI											
	KI											
	MgCl ₂											
	CaCl ₂											
	SnCl ₂											
	BaCl ₂											
	AlCl ₃											

No change	
No devitrification - but coated or stained by test	
Some spots of devitrification	
Surface devitrification	
Severe devitrification	
Failure due to devitrification	
Not tested at this temperature	

While every attempt has been made to verify the source of the information, no responsibility is accepted for accuracy of data.