

**Q95F****Cast crucibles**

Material:	Quartz														
Quality designation:	Q95F														
Richtanalyse:	<table><tr><td>SiO₂ (Quartz)</td><td>> 95 %</td></tr><tr><td>Si₃ N₄ (Silicon Nitride)</td><td>4,00 %</td></tr><tr><td>Zr O₂ (Zirconia)</td><td>0,20 %</td></tr><tr><td>Y₂ O₃ (Yttrium oxide)</td><td>0,05 %</td></tr><tr><td>Al₂ O₃ (Alumina)</td><td>0,50 %</td></tr><tr><td>Mg O (Magnesium oxide)</td><td>0,05 %</td></tr><tr><td>Rest trace elements</td><td></td></tr></table>	SiO ₂ (Quartz)	> 95 %	Si ₃ N ₄ (Silicon Nitride)	4,00 %	Zr O ₂ (Zirconia)	0,20 %	Y ₂ O ₃ (Yttrium oxide)	0,05 %	Al ₂ O ₃ (Alumina)	0,50 %	Mg O (Magnesium oxide)	0,05 %	Rest trace elements	
SiO ₂ (Quartz)	> 95 %														
Si ₃ N ₄ (Silicon Nitride)	4,00 %														
Zr O ₂ (Zirconia)	0,20 %														
Y ₂ O ₃ (Yttrium oxide)	0,05 %														
Al ₂ O ₃ (Alumina)	0,50 %														
Mg O (Magnesium oxide)	0,05 %														
Rest trace elements															
Thermal expansion:	about 0,06 % (1000°C)														
Bulk density:	1,9 g/cm ³														
Porosität:	< 16 %														
Thermal shock resistance:	good														
Limit of application:	1200°C (permanent load), 1900°C (short term)														

All data given should be regarded as guidelines