

# FAM/1.2787

## CHEMICAL PROPERTIES:

Brand	Mat.-No.	Short name	Reference analysis %				
			C	Si	Mn	Cr	Ni
FAM	1.2787	X23CrNi17	0.20	<1.00	<1.00	17.00	1.7

## TYPE OF STEEL AND CHARACTERISTICS:

**High chromium hardenable steels.** Good resistance to corrosion and scaling.

## APPLICATIONS:

Glass industry. Moulds for tableware of improved glass quality; also for high melting technical hard glass

## Delivery conditions:

In special heat treated condition, ready for use, with the following technical data:

**0,2% yield strength:** min. 700 MPa

**Tensile strength:** 1000 - 1150 MPa

**Resistant to scaling in air up to:** appr. 900 °C

**Thermal conductivity at 25,1°C:** W/m·K

**Coefficient of linear thermal expansion:**

Between

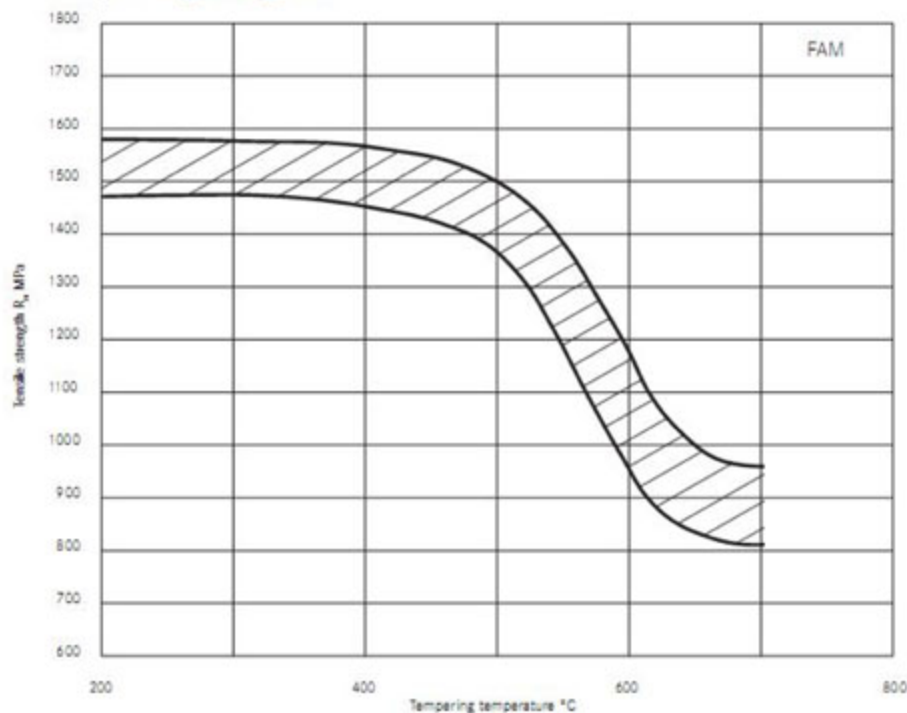
20°C and 100°C:  $10,0 \times 10^{-6}$  m/m.K

20°C and 200°C:  $10,5 \times 10^{-6}$  m/m.K

20°C and 400°C:  $11,0 \times 10^{-6}$  m/m.K

20°C and 600°C:  $11,5 \times 10^{-6}$  m/m.K

Tempering diagram



TTT-Diagram

