

Arno Witgert OT Wahnscheid 56414 Herschbach/Oww.

Propec



Technical data sheet

Raw material no.

G 10

Firing temperature: 980-1200°C

Name:

Steinzeug-Gießmasse rot, anwendungsfertig

	1000°C	1100°C	1200°C	1300°C
Firing shrinkage:	1,2 %	5,7 %	8,4 %	
Total shrinkage	4,2 %	8,5 %	11,2 %	
Water absorption:	18,0 %	7,8 %	0,3 %	
Firing colour:	light red	red	brick red	

Chemical analysis (calcined)

SiO ₂	73,8 %
Al ₂ O ₃	16,6 %
TiO ₂	0,7 %
Fe ₂ O ₃	4,9 %
CaO	0,2 %
MgO	0,4 %
Na ₂ O	0,2 %
K ₂ O	2,9 %

Coefficient of thermal expansion at different firing temperatures in 10⁻⁶ m/(m x K)

	1000°C	1100°C	1200°C	1300°C
WAK _{20-400°C} :	6,5	8,1	7,2	
WAK _{20-500°C} :	6,9	8,5	7,6	
WAK _{20-600°C} :	7,9	9,6	8,4	

GV (4,3 %)

Dry shrinkage:	3,0 %	Viscosity (acc. to Lehmann) (s):	25
		Thixotropy (acc. to Lehmann) (s):	7
Modulus of rupture:	3,0 N/mm ²	Thickness of body after 15 min (mm):	4,2 after 45 min: 7,4
		Demoulding time after 15 min (min):	45 90
Need of water:	49,5 %	Litre weight (g):	1750

The Slurry must be stirred before casting without stirring air bubbles inside. If the viscosity is too high you could add some deflocculant, e. g. LIQUI-FIX of WITGERT. The body contains deflocculants.

The data are average values. Sale is carried out according to pattern and to our terms and conditions.

Tone und Fertigmassen in allen Naturfarben: geschnitzelt gemahlen gewalzt granuliert
Plastisch flüssig Kaoline Mangantone und -oxide Schamotten Sinterengoben

Fachberatung durch Keramik-Ingenieure
Eigenes Labor

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