

Arno Witgert OT Wahnscheid 56414 Herschbach/Oww.

Propec



Technical data sheet

Raw material no. **101 (tr)/G 19 (fl)** Firing temperature: **1000-1150°C**

Name: **Steinzeug-Gießmasse weiß, frühsinternd**

	1000°C	1100°C	1200°C	1300°C
Firing shrinkage:	2,1 %	7,7 %		
Total shrinkage	6,5 %	11,8 %		
Water absorption:	16,0 %	2,6 %		
Firing colour:	white	grey-white		

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} :	4,8	6,9		
WAK _{20-500°C} :	5,4	7,5		
WAK _{20-600°C} :	6,0	8,3		

Chemical analysis (calcined)	
SiO ₂	63,1 %
Al ₂ O ₃	28,7 %
TiO ₂	1,1 %
Fe ₂ O ₃	1,1 %
CaO	0,5 %
MgO	0,6 %
Na ₂ O	2,1 %
K ₂ O	2,9 %

GV (5,5 %)

Dry shrinkage:	4,5 %	Viscosity (acc. to Lehmann) (s):	18
		Thixotropy (acc. to Lehmann) (s):	10
Modulus of rupture:	2,7 N/mm ²	Thickness of body after 15 min (mm):	2,9 after 45 min: 8,0
		Demoulding time after 15 min (min):	45 90
Need of water:	49,1 %	Litre weight (g):	1690

Application: 100 % casting body powder are stirred in 42 % mixing water which contains ca. 0.15 % Dolaflox SP 11 and ca. 0.30 % Gießfix 162. After homogenisation the body should stay for 2-3 h. In this time you could stir slowly. Impurities must sieved out.

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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