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Propec

Witgert
Seit 1820

**Keramische Rohstoffe
Fertigmassen**

Technical data sheet

Raw material no. **005 and G 52** Firing temperature: **1250-1300°C**

Name: **Weichporzellan-Gießmasse weiß**

	1000°C	1100°C	1200°C	1300°C
Firing shrinkage:	1,6 %	6,0 %	9,8 %	9,9 %
Total shrinkage	3,3 %	7,7 %	11,4 %	11,5 %
Water absorption:	24,2 %	12,9 %	0,2 %	0,1 %
Firing colour:	white	white	white	white

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

	1000°C	1100°C	1250°C	1300°C
WAK _{20-400°C} :			6,8	6,6
WAK _{20-500°C} :			6,8	6,6
WAK _{20-600°C} :			7,0	6,7

Chemical analysis (calcined)

SiO ₂	63,3 %
Al ₂ O ₃	31,2 %
TiO ₂	0,4 %
Fe ₂ O ₃	0,4 %
CaO	0,3 %
MgO	0,2 %
Na ₂ O	2,8 %
K ₂ O	1,4 %
GV	(7,7 %)

Dry shrinkage:	1,8 %	Viscosity (acc. to Lehmann) (s):	42
		Thixotropy (acc. to Lehmann) (s):	5
Modulus of rupture:	2,2 N/mm ²	Thickness of body after 15 min (mm):	4,0 after 45 min: 5,3
		Demoulding time after 15 min (min):	45 90
Need of water:	53,0 %	Litre weight (g):	1690

POWDER no. 005: 100 % Casting slip powder is stirred in ca. 45 % water, which contains ca. 0.05 % Dolafix SP 11 and 0.10 % Gießfix 162. After homogenisation the body should stay for 2-3 h. In this time you could stir slowly. Impurities must sieved out.

LIQUID SLURRY no. G 52: 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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