

Arno Witgert OT Wahnscheid 56414 Herschbach/Oww.



Technical data sheet

Raw material no. **001** Firing temperature: **1230-1300°C**

Name: **Weichporzellan-Gießmasse "Mont Blanc", schnee-weiß**

	1000°C	1100°C	1200°C	1300°C
Firing shrinkage:	1,5 %	8,8 %	13,9 %	14,1 %
Total shrinkage	6,8 %	13,7 %	18,5 %	18,6 %
Water absorption:	25,7 %	8,7 %	0,0 %	0,0 %
Firing colour:	snow-white	snow-white	snow-white	snow-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} :	5,3	4,8	4,7	4,7
WAK _{20-500°C} :	5,6	5,2	5,1	5,0
WAK _{20-600°C} :	6,6	5,9	5,5	5,4

Chemical analysis (calcined)	
SiO ₂	68,5 %
Al ₂ O ₃	26,2 %
TiO ₂	0,1 %
Fe ₂ O ₃	0,2 %
CaO	0,3 %
MgO	0,0 %
Na ₂ O	2,4 %
K ₂ O	2,3 %

GV (7,4 %)

Dry shrinkage:	5,3 %	Viscosity (acc. to Lehmann) (s):	20
		Thixotropy (acc. to Lehmann) (s):	8
Modulus of rupture:	1,3 N/mm ²	Thickness of body after 15 min (mm):	6,8 ter 45 min: 11,2
		Demoulding time after 15 min (min):	45 90
Need of water:	52,2 %	Litre weight (g):	1670

SPRAY DRIED GRANULATE: 100 % Casting slip granulate are stirred in ca. 40 % water. No additional deflocculant is needed. After homogenisation the body should stay for 2-3 h. In this time you could stir slowly. If there are still air bubbles inside the slurry you could add up to 0.15 % of Contraspum K 1012. Impurities must sieved out.

LIQUID SLURRY: 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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