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**Propec**



## Technical data sheet

Raw material no. **G 116** Firing temperature: **1000-1300°C**

Name: **Steinzeug-Gießmasse anthrazit, anwendungsfertig**

	1000°C	1100°C	1200°C	1300°C
Firing shrinkage:	0,6 %	2,2 %	5,4 %	7,6 %
Total shrinkage	5,4 %	7,0 %	10,0 %	12,1 %
Water absorption:	18,1 %	15,8 %	7,3 %	0,5 %
Firing colour:	light grey	grey	grey	anthracite

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

	1000°C	1100°C	1200°C	1300°C
WAK <sub>20-400°C</sub> :	5,2	5,8	6,3	5,9
WAK <sub>20-500°C</sub> :	5,6	6,3	6,8	6,2
WAK <sub>20-600°C</sub> :	6,8	7,7	8,1	6,9

Chemical analysis (calcined)

SiO <sub>2</sub>	74,5 %
Al <sub>2</sub> O <sub>3</sub>	17,5 %
TiO <sub>2</sub>	1,1 %
Fe <sub>2</sub> O <sub>3</sub>	2,0 %
CaO	0,1 %
MgO	0,8 %
Na <sub>2</sub> O	0,1 %
K <sub>2</sub> O	1,6 %

GV ( 4,9 % )

Dry shrinkage:	4,8 %	Viscosity (acc. to Lehmann) (s):	17
		Thixotropy (acc. to Lehmann) (s):	3
Modulus of rupture:	1,7 N/mm <sup>2</sup>	Thickness of body after 15 min (mm):	3,2 after 45 min: 5,4
		Demoulding time after 15 min (min):	45 90
Need of water:	42,5 %	Litre weight (g):	1790

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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