

## Characteristics

GW / TWB 5006 is a stoneware body with chamotte for casting and plastic forming methods.

GW / TWB 5006 has good thermal shock resistance.

Chamotte proportion: 50 %, chamotte size range: 0 - 0.6 mm

Available as crumble body ( GW / TWB 5006 ) and plastic body ( TWB 5006 ).

Firing Colour	cream
Recommended Firing Temperature Range	1040 - 1260 °C

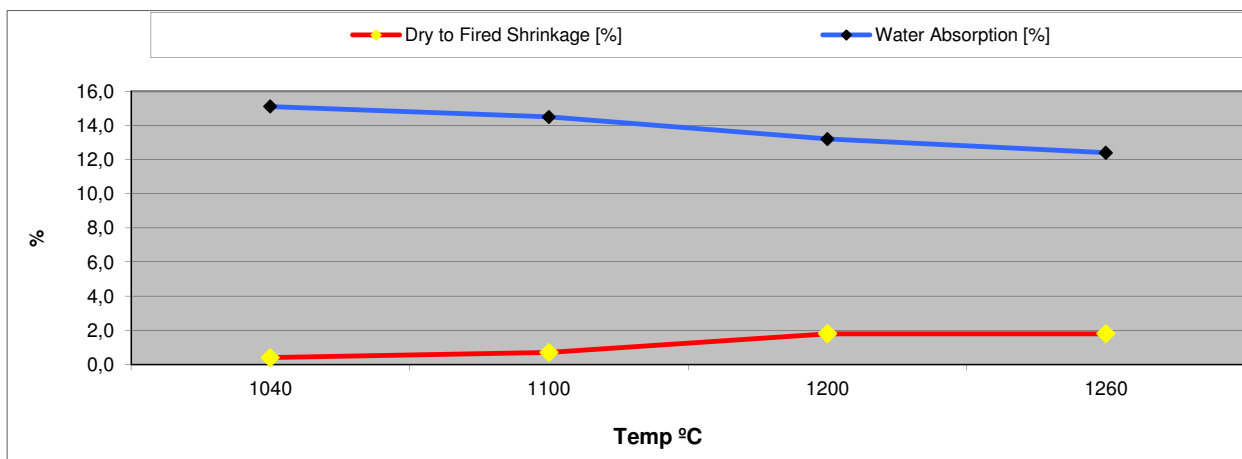
## Technical Data

### Unfired

Moisture	7,5% crumble body							
Chemical Analysis	SiO <sub>2</sub>	TiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	K <sub>2</sub> O	Na <sub>2</sub> O
	59,0%	1,00%	38,0%	0,90%	0,20%	0,19%	0,60%	0,10%
Loss of Ignition	3,6%							
Wet to Dry Shrinkage	1,5% casting							

### Fired

Specimen Firing Temperature [°C]	1040	1260
Coefficient of Thermal Expansion [x10-6/°C]		
	20 - 400 °C	3,3
	20 - 500 °C	3,3
	20 - 600 °C	3,4
Dry to Fired Shrinkage [%]	0,4	1,7
Water Absorption [%]	15,0	12,5



Dolaflux B 11 : Giessfix 162	1 : 2
Optimum Amounts	0,15% - 0,17%

First deflocculant and afterwards, add the crumble body under slow stirring to the water.

Specific Weight to Achieve	1990 - 2000 g / l
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GW / TWB 5006 needs about 18,5 % water to achieve s.w. of 1990 g / l.

Test the casting advice in own production first remembering the mentioned amounts are depending on the hardness of the water, the type of blunger, and the desired properties of the casting.

- use the right amount of deflocculant to achieve optimum casting time
- if castthickness is too small, use less deflocculant
- don't use more than 10 - 15 % of scrap ( above the fresh made slip )

The technical data quoted on this sheet is indicative only. Any sale is by sample and is governed by our general conditions of sale.



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