

Characteristics

WB 04048 - T is a light stoneware body for casting and for plastic forming methods.

Available as blended powder (PB WB 04048 PO) and plastic body (PB WB 04048 BO).

Firing Colour	white - light cream
Recommended Firing Temperature Range	1000 - 1280 °C

Technical Data (typical values)

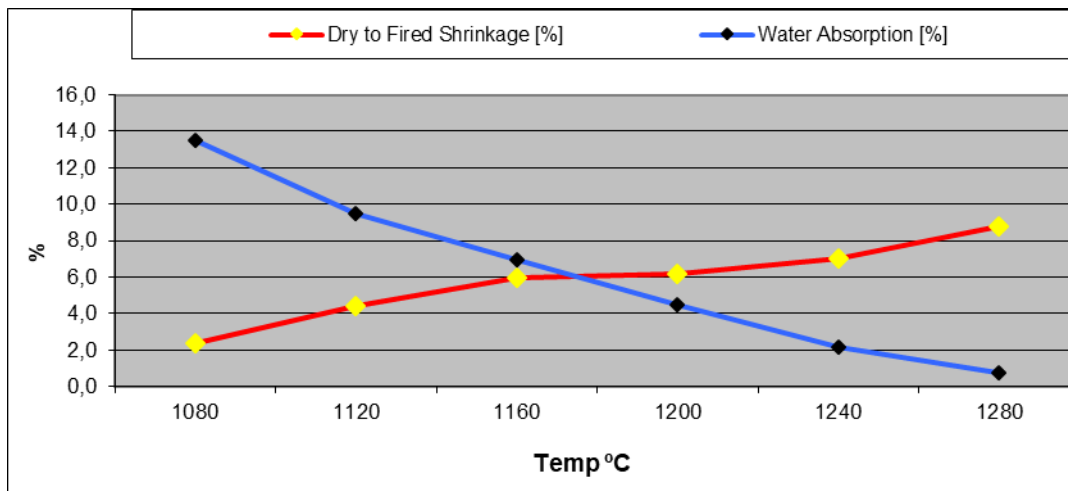
Unfired

Moisture					0,8%	Powder		
Chemical Analysis	SiO2	TiO2	Al2O3	Fe2O3	CaO	MgO	K2O	Na2O
	72,4%	0,55%	22,5%	0,50%	0,30%	0,20%	2,40%	1,20%
Loss of Ignition					6,5%			
Particle size Distribution [µm]								
Undersize [%]								

Wet to Dry Shrinkage	3,0%	casting
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Fired

Specimen Firing Temperature [°C]	1200
Coefficient of Thermal Expansion [x10 ⁻⁶ /°C]	
20 - 400 °C	6,4
20 - 500 °C	6,8
20 - 600 °C	7,9
Dry to Fired Shrinkage [%]	6,8
Water Absorption [%]	4,5



Rheology

Dolaflux B 11 : Giessfix 162

Optimum Amounts

1 : 2
0,15% - 0,18%

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

Specific Weight to Achieve

1785 - 1795 g / l

WB 04048 - T needs about 40,5 l water per 100 kg powder to achieve s.w. of 1790 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)

For Product Information & Customer Service

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