

Characteristics

GW / PG 4008 is an earthenware body with chamotte for casting.
Chamotte proportion: 40 %, chamotte grain - size: 0 - 0.8 mm
Available as crumble body.

Firing Colour	white
Recommended Firing Temperature Range	1000 - 1150 °C

Technical Data

Unfired

Moisture	9,0%	crumble body
Chemical Analysis	SiO ₂ 66,6% TiO ₂ 1,30% Al ₂ O ₃ 22,3% Fe ₂ O ₃ 0,90% CaO 3,60% MgO 2,70% K ₂ O 2,40% Na ₂ O 0,20%	
Loss of Ignition	8,0%	
Wet to Dry Shrinkage	2,2%	casting

Fired

Specimen Firing Temperature [°C]	1040
Coefficient of Thermal Expansion [x10 ⁻⁶ /°C]	20 - 400 °C 6,2 20 - 500 °C 6,4 20 - 600 °C 7,3
Dry to Fired Shrinkage [%]	0,3
Water Absorption [%]	13,7



Casting Advice

Gießfix 162	
Optimum Amounts	0,01% - 0,03%
First deflocculant and afterwards, add the crumble body under slow stirring to the water.	
Specific Weight to Achieve	1985 - 1990 g/l
GW / PG 4008 needs about 16 % water to achieve s.w. of 1985 g / l.	
Test the casting advice in own production first remembering the mentioned amounts are depending	

- 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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