

Characteristics

GW / K 10 - FR - SK is a light earthenware body for casting. Particularly used for stove tiles.

Moisture expansion 1060 °C: 0.03 %

Available as spray - dried granulate.

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

Technical Data

Unfired

| | | | | | | | | |
|----------------------|------------------|------------------|--------------------------------|--------------------------------|-------|-------|------------------|-------------------|
| Moisture | 6,0% | spray dried | | | | | | |
| Chemical Analysis | SiO ₂ | TiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | K ₂ O | Na ₂ O |
| | 65,5% | 0,75% | 22,5% | 0,60% | 7,40% | 1,50% | 1,50% | 0,20% |
| Loss of Ignition | 12,8% | | | | | | | |
| Wet to Dry Shrinkage | 3,0% | casting | | | | | | |

Fired

| | | |
|--|-------------|-----|
| Specimen Firing Temperature [°C] | 1060 | |
| Coefficient of Thermal Expansion [x10 ⁻⁶ /°C] | | |
| | 20 - 400 °C | 6,4 |
| | 20 - 500 °C | 6,7 |
| | 20 - 600 °C | 7,7 |
| Dry to Fired Shrinkage [%] | 0,7 | |
| Water Absorption [%] | 16,0 | |



Casting Advice

| | |
|---|-----------------|
| Gießfix 162 | |
| Optimum Amounts | 0,0 - 0,02% |
| First deflocculant and afterwards, add the granulate under slow stirring to the water. | |
| Specific Weight to Achieve | 1790 - 1800 g/l |
| GW / K 10 - FR - SK needs about 34,5 l water per 100 kg to achieve s.w. of 1800 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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