

Characteristics

GR - T is a red earthenware body for casting.
Available as blended powder.

Firing Colour	rose - terracotta
Recommended Firing Temperature Range	1000 - 1150 °C

Technical Data

Unfired

Moisture	0,6% powder							
Chemical Analysis	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	K ₂ O	Na ₂ O
	66,6%	1,20%	19,0%	4,00%	5,80%	0,50%	2,60%	0,30%
Loss of Ignition	9,7%							
Wet to Dry Shrinkage	4,5% casting							

Fired

Specimen Firing Temperature [°C]	1040	1100
Coefficient of Thermal Expansion [x10 ⁻⁶ /°C]		
	20 - 400 °C	7,1
	20 - 500 °C	7,8
	20 - 600 °C	8,9
Dry to Fired Shrinkage [%]	0,8	0,9
Water Absorption [%]	10,0	8,5

Casting Advice

Dolaflux B 11 : Giessfix 162	1 : 2		
Optimum Amounts	0,30%	-	0,36%
First deflocculant and afterwards, add the powder under slow stirring to the water.			
Specific Weight to Achieve	1780	-	1800 g/l
GR - T needs about 44 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			

- 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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