

# SZ/TWB4502-ISO

## Characteristics

SZ / TWB 4502 - ISO is a stoneware body suitable for isostatic pressing.  
The body has a low thermal expansion and a good thermal shock resistance.  
Available as spray - dried granulate.  
Chamotte proportion: 45 %, chamotte size range: 0 - 0.2 mm

Firing Colour	yellow - beige
Recommended Firing Temperature Range	1000 - 1260 °C

## Technical Data

Unfired

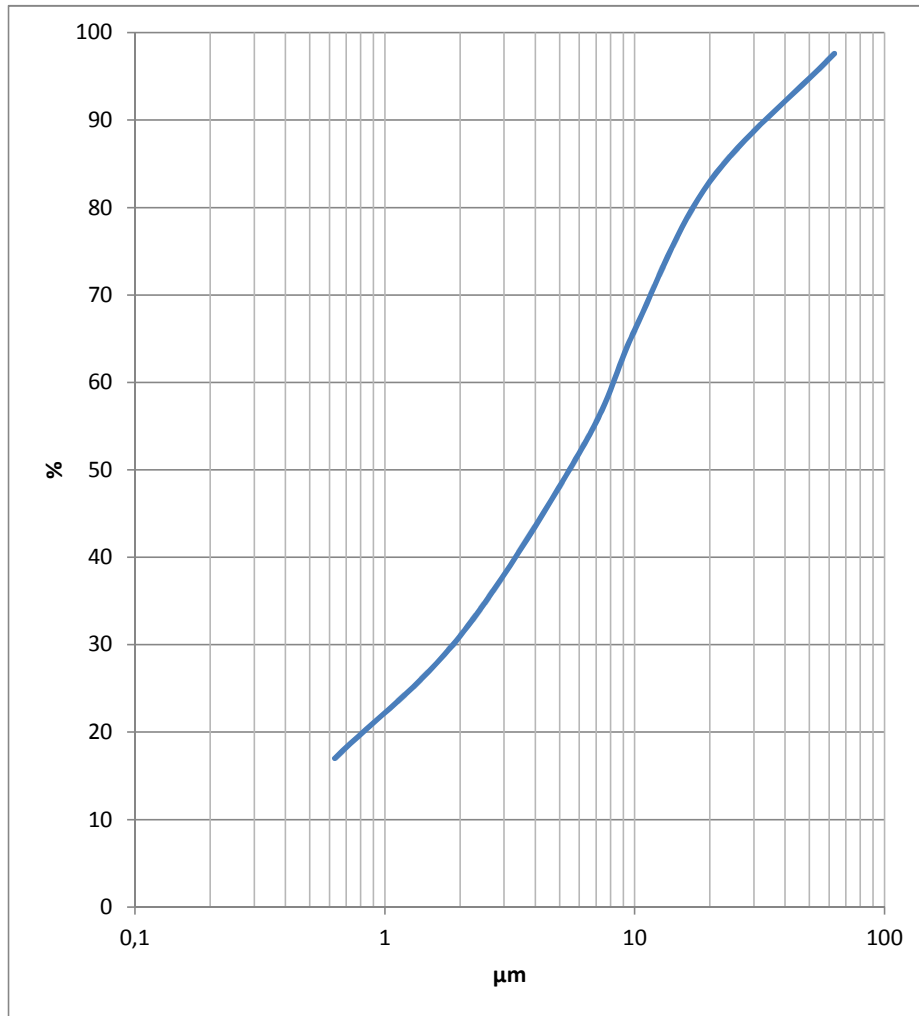
Moisture	2,5% granulate (ISO )								
Chemical Analysis	SiO <sub>2</sub>	TiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	
	57,0%	1,90%	31,0%	1,60%	0,30%	5,50%	1,40%	0,60%	
Loss of Ignition	6,9%								
Screen Analysis	>500						<100		
	15,0%						2,0%		
pressing									

Flow Density	877
Flow Time	52

Fired

Specimen Firing Temperature [°C]	1200	1240
Coefficient of Thermal Expansion [x10-6/°C]		
	20 - 400 °C	3,6
	20 - 500 °C	3,7
	20 - 600 °C	3,9
Dry to Fired Shrinkage [%]	6,0	6,5
Water Absorption [%]	6,0	4,5





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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