

HIGH-PERFORMANCE CERAMICS

CRUCIBLES AND COMBUSTION TRAYS

Application:

Laboratory technology

Material:

Yttria partially stabilised zirconia (Y-PSZ) **DEGUSSIT FZY**

DEGUSSIT FZY is characterised by a particularly fine surface structure and temperature resistance up to 1700 °C. Low adhesion tendency reduces sticking of reagents and melting in crucibles and combustion trays. **DEGUSSIT FZY** is resistant to aggressive media. Thus, the products can be cleaned with acid, which enhances re-use and extends the life-time of the products. Plates and tubes are also available made of **DEGUSSIT FZY**.



Fields of Application:

- ▶ Temperature treatments
- ▶ Production of superconductors
- ▶ Crystal growths

The products are also available in other **high-performance ceramic** materials.

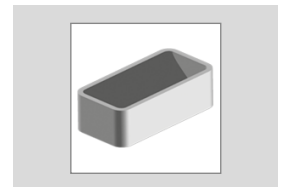
CRUCIBLES, CONICAL

Ø D1 mm	Ø D2 mm	Ø D3 mm	H mm	Vol. approx. ml
20	17	11	25	4
60	53	30	65	76
65	55	32	100	150
73	67	35	90	190
85	78	35	100	400
100	91	50	120	500



COMBUSTION TRAYS

L mm	B mm	H mm	WS mm	Vol. approx. ml
50	25	20	3	12
50	50	20	3	26
75	50	20	4	35
100	50	30	4	95



CRUCIBLES, CYLINDRICAL

Ø D1 mm	Ø D2 mm	H mm	Vol. approx. ml
10	8	15	0,7
20	16	30	6
30	26	40	20
35	30	50	40
40	36	60	60
50	44	75	110
65	55	100	225
85	73	150	600



- ▶ Temperature resistance up to 1700 °C
- ▶ Good resistance to thermal shock
- ▶ Low adhesion tendency

Competence in Advanced Ceramics
Engineering for customized solutions