

# APPLICATION SHEET

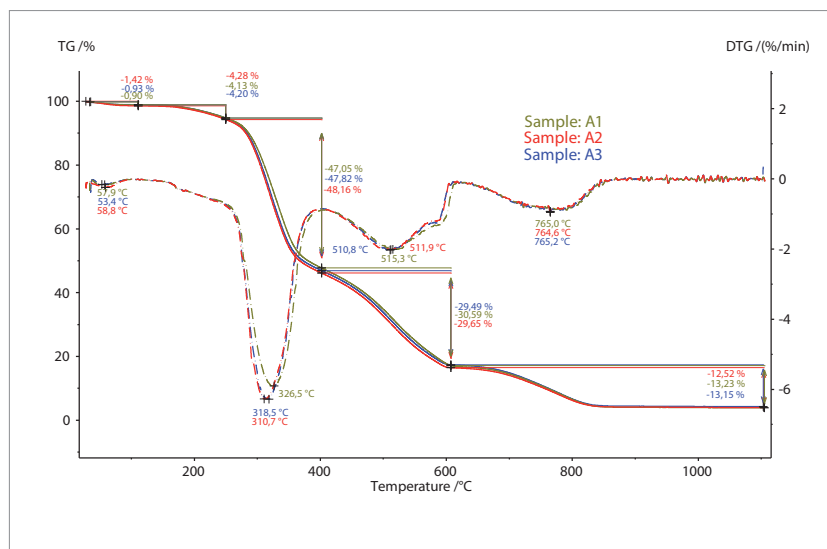
## STA Accessories – Large Crucibles

### Test on an Inhomogeneous Fire Insulating Material

For TGA measurements on inhomogeneous materials or ones with low densities (e.g., foams), very large crucibles are available.



Al<sub>2</sub>O<sub>3</sub> crucibles with different volumes (left: TGA-DTA with 0.9 ml, middle: TGA with 5 ml and right TGA with 3.4 ml), see also *Accessories for Differential Scanning Calorimeters and Thermobalances*



Ceramic masses (approx. 130 mg) were tested here in the alumina beaker crucible for TGA measurements (heating rate: 10 K/min, synthetic air atmosphere; STA 449 F3 Jupiter®)

The example shows three samples of a heavily foaming fire insulating material. It can clearly be seen that these three samples exhibit identical TGA behavior. There-

fore, no significant fluctuations in the composition of the lot are to be expected.