

Low Temperature Dilatometer

NETZSCH DIL 402E

Principle

Push rod dilatometer used for the determination of change of length, shrinkage, relative change of length, technical and physical coefficient of thermal expansion (CTE), softening point, swelling, penetration, temperature-density curve.

Manufacturer	NETZSCH
Temperature Range	RT to 1550 °C
Atmosphere	<ul style="list-style-type: none">• Vacuum• Inert (<i>argon, nitrogen, helium</i>)• Synthetic air• Reducing (<i>varigon, forming gas</i>)
Resolution	10 nm
Heating Rate	up to 50 K/min
Sample Length	up to 25 mm
Sample Length for CTE	12 - 17 mm
Sample Diameter	up to 12 mm
Optional coupling with	Mass spectrometer NETZSCH Aeolos QMS
