

**PRESERVE GEOTHERMAL HEAT**

## Lab equipment

TK04 uses the well-established transient line source method according to ASTM D5334-08. Here, a heating source is heated with constant power while recording the temperature rise with time inside the source. The slower the source temperature rises, the higher is the thermal conductivity of the sample material.

### TK04 thermal conductivity meter

- Transient line source method in accordance with ASTM D5334-08
- Measuring range: 0.1 to 10 W/mK with  $\pm 2\%$  accuracy
- Accurate software-controlled measuring and evaluation

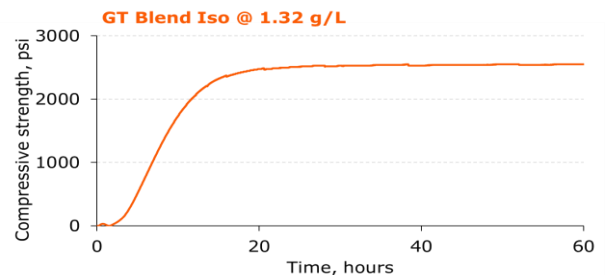


## Optimized heat isolation

Our low-weight additives ensure extremely light cement slurries of high compressive strength without intense increase of water content. Thus, they improve the durability of the cement sheath and help maintaining well integrity.

### GT Blend Iso

- Well-established low-weight system for casing and formation collapse control
- Premium cement bonding on GRE and steel tubular
- Isolating properties (thermal conductivity of 0.7 W/mK)



## Premium heat transfer

### GT Blend Thermo

- High compressive strength, even at low density
- Adjustable slurry conditions through special weighting agents and cement additives
- Excellent thermal conductivity of 3.8 W/mK

