

Automotive, Technology

Material testing of elastomers in coolants

Summary

Test samples of elastomer are fixed on a sample holder and put into a Berghof reactor filled with coolant. The closed reactor is heated up to a desired temperature and keeps this temperature for a required period. The design of the sample holder allows tests of samples in liquid phase as well as in the gas phase, even at the same time.

This procedure is a common method of preparing elastomer samples for tensile tests.

Examples for reagents and Equipment

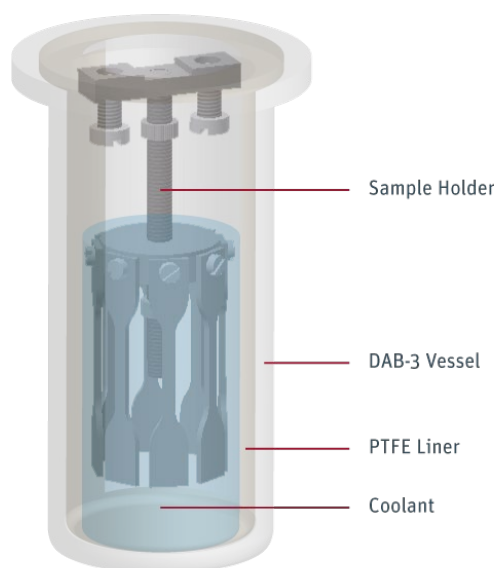
Example for test samples test samples according to DIN 53504

Example for coolant coolants based on glycol

Equipment	Reactor	Sample holder available*	Heating instrument	Berghof controller
	DAB-3XXL	✓	DAH Heating Block	BTC-1000
	BR-700	✓	BHM-700	BTC-1000
	BR-2000	✓	BHM-2000	BTC-1000
	NR-3000	✓	NHM-300	BTC-1000

Technical Drawing

DAB-3XXL with sample holder
(Please note: This technical drawing serves only as an illustration. It does not show real dimensions)



Note: This application serves only as a guide line and may need to be optimized for your sample.
* In addition to standardized sample holders, customer specific sample holders can be developed and produced