

Immersion tests in fluids

Principle


Immersion of test specimens in fluids at different temperatures and pressures.

Capabilities

- Test of plastics according to ASTM D543 and ISO 175
- Test of rubbers according to ASTM D471 and ISO 1817
- Test of metals
- Leaching tests

Assets

	Asset	Details
	Glass tubes	Up to the boiling point of the test fluid
	Stainless steel tubes	100 cm ³ Up to 100 bar at 200°C
	Parr autoclave	500 cm ³ Up to 350 bar at 450°C
	Primatech autoclaves	6 litres Up to 6 bar at 180°C
	Measurement Robot	Automatic measurement of the width, thickness and weight of the specimens in preparation for ageing

	Rapid Screening Device (RSD)	Safety evaluation of chemical resistance tests performed by heating a small amount of chemical—either alone or mixed with a solid sample—at a specified temperature, and measuring the generated pressure
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