

OPTICAL TESTS	
TESTING METHODS	ABBREVIATED TERM
Light microscopy	
White light interferometry	WLI
Atomic force microscopy	AFM
Scanning electron microscopy	SEM
Computer tomography	CT
Optical image analysis	
3D profilometry	
Particle size distribution	
Micro- and nanohardness measurement	
Surface energy	
Sample preparation	

PHYSICAL TESTS	
TESTING METHODS	ABBREVIATED TERM
Tensile, compression, bending testing incl. special tests	
Dynamic fatigue test / lifetime	
Tear resistance (static, dynamic)	
Hardness measurement	
Rebound resilience	
Tension relaxation (tension, compression)	
Compression set	CS
Dynamic mechanical analysis	DMA/DMTA
Acoustic tests	

PHYSICAL TESTS	
TESTING METHODS	ABBREVIATED TERM
Rheological tests	
Tribological tests / abrasion resistance	
Permeation	
Leakage	
Explosive decompression / Sorptest	
Chemical resistance (ozone, air)	
Media storage	
Exposure / weathering	
Fogging	
Differential scanning calorimetry	DSC
Thermogravimetric analysis	TGA
Thermal conductivity	
Electrical conductivity	
Swelling	
Nuclear magnetic resonance relaxation measurement	NMR
Water vapor permeability	
Porosity	

ANALYTICAL CHEMISTRY TESTS	
TESTING METHODS	ABBREVIATED TERM
Gas chromatography-mass spectrometry	GC-MS
Gel permeation chromatography	GPC
High-performance liquid chromatography	HPLC

ANALYTICAL CHEMISTRY TESTS	
TESTING METHODS	ABBREVIATED TERM
Ion chromatography	IC
UV / Vis spectrometry	
RAMAN spectroscopy	
Nuclear magnetic resonance spectroscopy	NMR
FT-IR spectroscopy and microscopy	
ICP optical emission spectrometry	OES
BET	
Content measurement	
Photometry	
Chemical decomposition	
Extractions	
Environmental analytics	

## QUALITY & EXPERTISE

Recognized laboratory working to proven high quality standards.  
Accreditation in accordance with DIN EN ISO/IEC 17025:2018

Materials testing, materials and process expertise from a single source

Consultancy provided by experts with many years of testing experience

Proactive co-design and establishment of new testing methods

Customized advice on and assistance with standard testing, development issues or failure analysis

