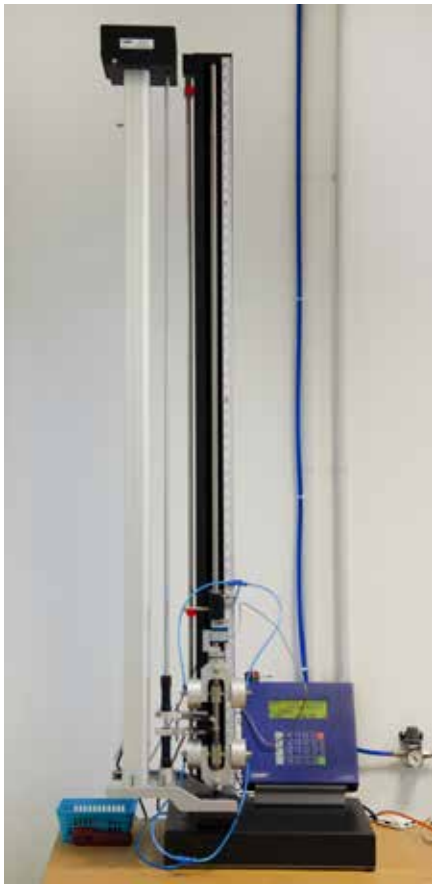
# Inspection Rubber

## RUBBER

| RUBBER - PLASTIC MATERIAL INSPECTION | | |
|---|---|---|
| **INSTRUMENT** | | **LEVEL** |
| Control on batch formulation | Agilent Cary 630 FTIR spectrometer | 400-4650cm^-1 D=4cm^-1 |
| Hardness measurement | Rupac Durometer Shore A 6110075 | 0-90ShoreA D=1ShoreA |
| Measure elongation at break and tensile strength | EXpert 7601 XLT D412 Tension Testing System | 0-1000N D=0,01N |
| Density measurement | PCE-ABZ + Density determination kit | 0-200g D=0,0001g |
| Compression set measurement | Gibitre C-Set | N/A |
| Dielectric Breakdown Voltage and Dielectric Strength (ASTM D149) | High voltage Tester Phenx 6CP50/10-3; Schleich GLP2 | 0-50KVAC 50-60Hz |
| Standard Test Methods for DC Resistance or Conductance of Insulating Materials (ASTM D257) | Megohmmeter Sefelec M1501M | 0-1500VDC |

We have all the instruments to make a characterization of rubber materials: formulation (FTIR), density, hardness, mechanical propriety, and electrical propriety.