

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.

