

CHILL testing facilities for Polymer characterization

How scratch resistant is a car bumper? And how impact resistant is a safety helmet? In the CHILL Testing laboratory we do research on the physical characteristics of plastics and rubber. Knowledge of characteristics such as impact strength, tensile and flow behaviour helps to determine how these materials can be applied in the best possible way. CHILL offers you the possibility to run tests on raw materials, semi-finished products and applications.

	EQUIPMENT/TECHNIC	OEM/TYPE	OEM/TYPE
Mechanical testing	Tensile	Zwick Z020	Instron 3367
	Bending	Zwick Z020	Instron 3367
	Compression	Zwick Z020	Instron 3367
	Peeling	Zwick Z020	Instron 3367
	Pedulum Impact	Zwick HIT 5.5P	Instron 9050
	Notch cutting	Zwick ZNO	Instron notcher
	Hardness Shore A/B	Zwick ZHR 4150 AK	
	HDT/VICAT	Zwick HDT/Vicat S	Instron HV3S
	Meltflow	Zwick Mflow	Instron MF20
Other testing	TGA	TA Q500	
	DSC	TA Q2000	Netsch 214 Polyma
	Moisture	Mettler halogen Analyser	Carl Fisher Mettler Toledo T70
	Conditioning chamber	Memmet HPP110	
	Contact Angle	Bioscientific Attension Theta Lite auto 1	
	Climate chamber	Binder MKF 240	
	Viscometer	Elcometer 2300 rot RV2-L	
	Density immersion method	Mettler Toledo XSE105 DualRange	
	Rheometer	TA AR2000ex	
	Rheometer/DMA	TA HR20	
	Coating	Film applicator	Elcometer 4340
Colour cabinet		Elcometer 6300GTI Mini Matcher 6110	
Abrasion meter		Elcometer 1720	
Adhesion		Elcometer F106-3	
		Elcometer 1542	
Gloss		Micro TRI gloss	
Colour		Spectro guide sphere	
Hardness (pencil test)		Elcometer	
Linear drying time recorder		Elcometer 5300	
Cube Film Applicator		Elcometer 3505	