

Department of Polymer and Petrochemicals- Equipments

No.	Equipment	Field of Application
1	Hot press	Plastics & Rubbers
2	Vicat-HDT	Plastics
3	Density meter(Gradient)	Plastics & Rubbers
4	MFI	Plastics
5	Tensile	Plastics & Rubbers
6	Fatigue	Rubbers
7	Measurement of thickness(cellular plastics & rubbers)	Plastics & Rubbers
8	Hardness(shore A)	Plastics & Rubbers
9	STA (Simultaneous Thermal Analysis)	Plastics & Rubbers
10	Impact	Plastics
11	Plunger + Bead Unset	Tires
12	Test wheel	Tires
13	Shear Stability	Engine Oils & Lubricants
14	ICP (Inductively coupled Plasma)	Petroleum products
15	Viscosity Bath (Kinematic Viscosity) 40°C & 100°C	Engine Oils & Lubricants
16	Volatility (Noack)	Engine Oil
17	Sulfur content (XRF)	Petroleum Products
18	Open Flash Point(cleaveland)	Petroleum Products
19	Closed Flash point (Penski- Martins)	Petroleum Products
20	CCS (Cold Cracking Simulator)	Engine Oils
21	Cone Penetration	Grease
22	Dropping Point	Grease
23	Distillation Temperature Range (Atmospheric)	Petroleum Products
24	Distillation Temperature Range (Vacuum)	Petroleum Products
25	Color (ASTM, Saybolt,...)	Liquid products
26	TBN (Total Base No.)	Engine Oils
27	Foam	Engine Oils
28	Corrosion (cupper)	Petroleum Products
29	Pour Point & Cloud point	Petroleum Products
30	HTHS (High temperature High Shear Rate)	Engine Oils
31	Microwave Oven	Preparation of Products

32	Motor Octane Number	Gasoline
33	GC for hydrocarbon type test	Gasoline
34	GC for oxygen content test	Gasoline
35	Oxidation Stability	Gasoline
36	RVP)Reid vapor pressure)	Gasoline