

CPET-IPT- AHMEDABAD
PLASTICS TESTING CENTRE

LIST OF FACILITIES AVAILABLE

Sl.No	NAME OF THE EQUIPMENT	Sl. No	NAME OF THE EQUIPMENT
I	MECHANICAL	V	THERMAL
•	Universal Testing Machine with Accessories for tensile, flexural , Compression and Shear properties	•	Hot Air Oven (up to 300 deg C)
•	Falling dart Impact tester for film & Pipe	•	HDT / VICAT (VSP) Tester (Computer controlled)
•	Rockwell hardness	•	Muffle Furnace (up to 900 deg C)
•	Hardness Tester (Shore A & D)	•	Weighing Balance
•	Hydrostatic Pressure Testing Machine (Long Term & Short Term)/ Internal Creep rupture Tester	•	High Temp Water Bath (up to 95 deg C)
•	Emitter Flow rate variation tester	•	Flammability
•	Opacity Tester	•	Melting Point Apparatus
•	Pull out Tester for Emitters	•	Deep Freezer (up to - 40 Deg)
•	Emitter Flow path Measurement Apparatus	•	Rate of burning
•	Emitting pipe Flow rate variation Tester	VI	CHARACTERISATION
•	Resistance to tension at elevated Temperature for Emitting pipes	•	Differential scanning calorimeter (DSC)
•	Sieve analysis	•	GC for VCM content
•	Inclined Impact for boxes	•	AAS for elemental analysis
•	Coefficient of Friction of film	•	UV – Vis Spectrophotometer
II	OPTICAL	•	Weather-o-meter (Xenon & Fluroscent)
•	Opacity tester	•	FTIR
•	Microscope	•	TGA
•	Colour Comparison	VII	ELECTRICAL
•	Yellowness index	•	Dielectric Strength Tester
•	Gloss meter	•	Comparative Tracking Index
III	CHEMICAL	•	Arc resistance
•	Chemical Resistance tester	•	CTI
•	ESCR Test Apparatus	•	Volume & Surface resistivity
•	Effect on Water	VIII	COMPOUNDING/ SPECIMEN PREPARATION FACILITIES
•	Identification by Chemical Method	•	Two Roll Mill
•	Carbon Black Content Tester	•	Contour Cutter
•	Carbon Black dispersion	•	Punching Press & Cutting dies
•	Overall Migration/ colour migration	•	Injection Moulding
IV	RHEOLOGICAL	•	Compression Moulding
•	Melt flow Index Tester (Microprocessor Controlled)	•	Twin screw compounding

Laboratory having ISO 9001 Certification & Accreditation by National Accreditation Board for Testing Calibration Laboratories (NABL) as per ISO 17025 and also recognised by BIS

Contact Person: Mr. Vishal Verma, Manager (Testing), Mob: 09730003953