

TESTING CHARGES - COE INDUTECH CAPABILITIES (NABL accredited laboratory)

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I. PHYSICAL TESTING LAB

#	Test	Details	Charges	Industry	Research Scholars	Students	
				Rs			
1	Weight	Accuracy - 0.01g	/ 5 samples	200	150	120	
		Accuracy - 0.0001g		400	300	240	
2	Thickness	Measuring thickness for textiles, nonwoven & similar materials	/ sample	500	375	300	
		ASTM D1777,DIN EN ISO 9073-2,EN ISO 5084,EN 964-1					
3	Tensile 10 KN	Tensile & Wedge grip, Cycling loading and ply adhesion upto 10 KN upto 200% elongation.	/ 5 Specimen (1 Sample)	1750	1300	1000	
		Tensile testing of a single fibre 100 N and Monofilament up to 1KN		1250	900	750	
		ASTM D3882 (Sample Length : 100mm - 20 Nos)		1000	750	600	
		Tensile and Tear upto 2.5 KN upto 200% elongation		1000	750	600	
		ASTM D5034 (Sample size: 150mm x 100mm) Spec warp -5 weft - 5		1000	750	600	
		ASTM D5035 (Sample size: 150mm x 50mm) Spec warp -5 weft - 5		1250	900	750	
		DIN EN ISO 29073-3 (Sample size: 300mm x 50mm) Spec MD-5 CD-5		1000	750	600	
		IS 7016 PART-2 (Sample size: 300mm x 50mm) Spec MD-5 CD-5		1000	750	600	
		ASTM D 882 - 02 (Sample size: 300mm x 50mm)		1000	750	600	
		Compression test - ASTM D695 (Sample size: Length & Width : 12.7 mm Thickness 25.4 mm or Dia 12.7 mm Thickness 25.4 mm) Spec MD-5 CD-5		1000	750	600	
		Flexural Test - ASTM D790 (Sample size:127mm * 12.7mm * 3.2mm) Spec MD-5 CD-5		1000	750	600	
		Cyclic loading		/ hr / samples	2000	1500	1200
		Customized test / (Hour Basis test) applicable for only bulk samples		/ sample of 5 specimen	NA	2000	2000

4	Tensile 100 KN	Tensile test upto 100KN	/ 5 Specimen (1 Sample)	2000	1500	1200
		DIN EN ISO 10319 (Sample size: 200mm x 200mm) Spec MD-5 CD-5		2000	1500	1200
		Compression test upto 100KN		2000	1500	1200
		Ropes Tensile Test upto 50KN (Sample size: 500 mm)		2000	1500	1200
		Charge for Video Extensometer (poisson ratio analysis)		1000	750	600
		CBR Puncture Test - DIN EN ISO 12236 - 250mm x 250mm		1600	1200	1000
		Customized test / (Hour Basis test) applicable for only bulk samples		NA	3000	3000
5	Tear Strength	ASTM D1424 (Sample size: 100mm x 75mm) ASTM D1422 (Sample size: 63mm x 75mm) IS 7016 PART-3	/ sample	500	375	300
6	Auto Burst Testing	ASTM D 3786 (Sample size: 0.5m x 0.5m)		500	375	300
7	Stiffness	Measuring the bending rigidity (Sample size: 250 mm x 25 mm)		400	300	250
8	Spray Rating Tester	AATCC 22 (Sample size 1 sq.m) IS 390 (Sample size 1 sq.m)		600	450	360
9	GSM	ASTM D 3776 (Sample size: 0.5m x 0.5m)	/ sample	500	300	200
		IS 7016 PART-1 (Sample size: 0.5m x 0.5m)	/ sample	500	300	200

II. FILTER TESTING LAB						
#	Test	Details	Charges	Industry	Research Scholars	Students
				Rs		
9	Air Permeability	ASTM D 737 (Sample size: 250mm x 250mm)	/ sample	500	300	200
10	Capillary Flow Meter	CFP (Sample size: 100mm), AIR RESISTANCE (Sample size: 100mm)		1500	1200	1000
		FRAZIER GURLY, HYDRO HEAD, ELEVATED TEMP		1500	1200	1000
11	Fuel Filter Multi Pass Rig	Flat sheet and also whole filter product		Charges applicable as per standard		
12	Oil Filter Multi Pass Rig	Whole filter product		Charges applicable as per standard		

III. INSULATION TESTING LAB						
#	Test	Details	Charges	Industry	Research Scholars	Students
				Rs		
13	Thermal Conductivity Tester	ISO 8301 (Sample size : 300mm x 300mm x up to 5 mm to 100 mm Thickness) Density required.	/ hr	1600	1200	1000
14	Impedance Tube	Sound absorption co-efficient and transmission loss measurement - ISO 10534-2 (Sample size: 29.5 mm & 99.5 mm) * (AB-Absorbency ,TL-Transmission loss) Sample Prepration Charges	/ sample	*AB -6000 *TL -7000	*AB -4500 *TL -5000	*AB -3500 *TL -4000
				600	500	500
15	Electrical Surface Resisitivity	DIN 54345 (Sample size: 120 mm x 120 mm) 5 specimen required		1000	750	600

IV. FIRE TESTING LAB						
#	Test	Details	Charges	Industry	Research Scholars	Students
				Rs		
16	Horizontal Flammability	IS15061 (Sample size: 356mm x 60mm) Spec warp -5 weft - 5	/ sample	1200	900	750
17	Inclined Flammability	ASTM D 1230 (Sampe size: 150 mm x 50mm) Spec warp -5 weft - 5 IS 11871 (Sampe size: 150 mm x 50mm) Spec warp -5 weft - 5		1200	900	750
18	Vertical Flammability	ISO 6941 (Sample size: 200mm x 80mm) Spec warp -5 weft - 5 ISO 6940 (Sample size: 560mm x 170mm) Spec warp -5 weft - 5 ASTM D6413 (Sample size: 300mm x 76mm) Spec warp -5 weft -5		1500	1000	900
19	Limited Oxygen Test	ASTM D2863 (Sample size: 10mm x 150mm) 15 - 30 Specimen IS 13501 (Sample size: 50mm x 150mm) 10 Specimen Test done with 5 specimens (Customized or specify by the standard)		3000	2250	1800
		For smoke density	/sample	700	500	400

V. ANALYTICAL TESTING LAB

#	Test	Details	Charges	Industry	Research Scholars	Students
				Rs		
20	Field Emission Scanning Electron Microscope (FESEM+EDAX+MAPPING)	Conductive Sample (Sample size: 5 mm x 5 mm)	/ sample	1700	1000	1000
		Non-Conductive Sample (solid material) (Sample size: 5 mm x 5 mm)		2000	1300	1300
		Non-Conductive Sample (powder material)		2200	1500	1500
		EDS (Extra)		500	250	250
		Elemental Mapping	/ Mapping	1000	500	500
		Solid material sputter coating & conductive powder vaccuming	/ sample	300	300	300
		Non conductive powder sputter coating (It needs 12hours vaccuming)	/ sample	500	500	500
		Hour basis (Coating charges extra)	/ hour	* 1 hour - Rs.2000.00 for 3 samples , * 2 hours - Rs.4000.00 for 4-6 samples , * 3 hours - Rs.6000.00 for 7-9 samples .		
		Edax with out SEM test (Conductive samples)	/ Edax	1000	500	500
21	X-Ray Diffraction	Regular XRD (solid material -Sample size: 5 mm x 5 mm)	/ sample	900	560	450
		Slow XRD (solid material -Sample size: 5 mm x 5 mm)	/ hr	1300	900	900
22	DSC with TGA	Aluminium Crucible (RT-550 C) - Sample size: 10 mg (10k/min)	/ sample	900	650	650
		Alumina Crucible above 550 C (RT-1200) - Sample size: 10 mg (20k/min)	/ sample	1800	1300	1300
23	UV Spectroscopy	Liquid / Film Sample	/ sample	600	450	360
		DRA for Powder Sample		1000	750	600
		Concentration of Liquid		600	450	360
24	FTIR Spectrophotometer	Sample preparation additional charge: Rs 250		700	550	450
25	Weatherometer	For all samples	/ hr	Charges applicable as per standard		
26	UV Transmittance Analyzer	AS/NZS 4399 Sample size: 20cm x 20cm - Dry method		1200	800	650
		AATCC 183 Sample size: 20cm x 20cm - Dry method	/ sample	1200	800	650
		AATCC 183 Sample size: 20cm x 20cm - Wet method		1200	800	650
27	Hydro Head Tester	AATCC 127 (Sample Size: 15 cm x 15 cm) 5 specimens		1000	750	500
		AATCC 127 (Sample Size: 15 cm x 15 cm) 5 specimens		1000	750	500

VI. WET TESTING LAB						
#	Test	Details	Charges	Industry	Research Scholars	Students
				Rs		
28	pH Meter	ISO 3071 Sample = 50 ml	/ sample	200	150	120
29	Viscometer	Sample = 500 ml	/ sample	600	450	300
30	Hot Plate	NA	60 min	100	75	60
31	Digital Hot Oven	For sample preparation	/ batch	100	75	60
32	Laundrometer	Sample size: 50mm x 150mm	/ sample	500	350	250
33	Fogging Tester	ISO 6452 (Weiging Method) -16 hours	/ sample	10000	7500	5000
		ISO 6452 (Fogg Value Method) -3 hours		5000	3750	3000
34	Conditioning Chamber	NA	/ Hour	200	150	100
35	Dimensional stability	Maximum 150 degree for 30 minutes	/sample	500	375	300

VII. SURFACE CHARACTERIZATION LAB						
#	Test	Details	Charges	Industry	Research Scholars	Students
				Rs		
36	Process Tensiometer (Contact Angle)	Surface tension	/ sample	1000	750	600
		Sorption Rate, Wetted Length		1000	750	600
		Contact Angle		1600	1200	960
37	Taber Abrasion Resistance	upto 1000 cycle (sample size: 0.25 sq.m) (for addition 1000 cycles Rs.500 Extra)		1000	750	500
38	Wet Scrub Abrasion	Paint & Solvent		1600	1300	1000
39	Martindale Pilling & Abrasion	ISO 12945-2 (Sample Size: 0.25 sq.m) ISO 12947-2 (Sample Size: 0.25 sq.m) Shock abrasion test and Leather abrasion test also possible.		1000	750	500
40	Wrap Reel	Cops or cones	/ 10 samples	300	200	150

TERMS & CONDITIONS	
1	The testing service is being provided to support research activities at both industrial and academic level.
2	Testing will be done against advance payment of charges. Cash/Draft /NEFT will be accepted. Please be sure to collect receipt for payment
3	DD or cheque drawn should be in the name of "PSG INDUSTRIAL INSITUTE"
4	The above rates are for single run and exclusive of service tax. Current period service tax will be applicable for all testing work .
5	Volume discounts may be applicable please contact COE Indutech for details
6	The samples may be sent by courier along with payment (DD or Cheque). Results will be sent by email and receipt may be collected later or sent by mail.
7	Special consideration may be given to students with financial constraints and large number of samples for thesis work.
8	You may fix appointment for running your samples by email.
9	Unknown samples, deviation in the standard parameters and custom made test will be carried out at Rs. 1000.00 for Students, Rs.1500.00 for research scholars, and Rs. 2000.00 for Industry - On hour basis. (Max of 5 specimens)
10	We recommend conductive coating for powder samples to get image clarity in FESEM
11	If samples are need to return after testing, the couirers charges will be added in your testing charges. (The same to be informed while submitting the samples)
12	All the tested samples will be destoryed after testing immediatly. You cannot claim for the remanant samples.
13	Powder samples are only accepted when the same is submmitted in Vial tubes only.