

Laboratory for Advanced Research of Polymeric Materials (LARPM)
CENTRAL INSTITUTE OF PLASTICS ENGINEERING AND TECHNOLOGY (CIPET)
BHUBANESWAR

DEVELOPMENTAL CHARGES

<i>Sl. No</i>	<i>Analytical Instrument Facility</i>	<i>Developmental charges (₹)</i>
1.	Transmission Electron Microscopy (TEM) Sample preparation (Microtome)	5000 /Sample 2000 /Sample
2.	Scanning Electronic Microscopy (SEM)	1500 /Sample
3.	Dynamic Mechanical Analysis (DMA) ○ 25-300°C @10°C /min ○ -15-300°C @10°C /min	1500 /Sample 2000 /Sample
4.	Differential Scanning Calorimetry (DSC) ○ 30-350°C @10°C /min ○ 30-350°C @5°C /min	1500 /Sample 2000 /Sample
5.	Thermo Gravimetric Analysis (TGA) ○ RT-800°C @10°C /min ○ RT-800°C @5°C /min	1500 /Sample 2000 /Sample
6.	X-Ray Diffraction (XRD)	1500 /Sample
7.	Parallel Plate Rheometer	1500 /Sample
8.	FTIR spectroscopy (with sample analysis)	1300 /Sample
9.	Atomic Absorption Spectroscopy (AAS)	1500 /Sample
10.	Thermal Conductivity Tester (Guarded Hot Plate)	1500 /Sample
11.	Weatherometer (UV Exposure / Xenon Exposure) ○ Up to 100 hrs ○ 100 to 500 hrs ○ Above 500 hrs	200 /h 150 /h 100 /h

12.	Universal Testing Machine (UTM) (3 nos) (Tensile/ Flexural/ Compression) <ul style="list-style-type: none"> ○ Room Temp(23°C) ○ Below Ambient Temperature ○ Above Ambient Temperature (50°C to 300°C) 	900 /Sample 1500 /Sample 1500 /Sample
13.	Environmental Test Chamber	200 /h
14.	Melt Compounding with Micro Injection Jet (Sample: 2 nos.)	2000 /Batch
15.	Twin Screw Extruder (with pelletizer)	1500 /Batch
16.	Melt Compounding using Hakka Polylab OS (Batch Mixer)	1000 /Batch
17.	Water Vapour Transmission Rate (WVTR)	1500 /Sample
18.	Melt Flow Index (MFI)	900 /Sample
19.	Flammability (as per UL Standards)	2500 /Sample
20.	Fire Tests (Cone Colorimeter)	2500 /Sample
21.	Sample Preparation <ul style="list-style-type: none"> ○ Compression Moulding (3 Nos.) ○ Injection Moulding (Micro Injection Jet - 2 Nos.) 	300/ Batch 2000/ Batch
22.	Impact Test <ul style="list-style-type: none"> ○ Notched ○ Un-notched 	1000/ Sample 900 / Sample
23.	Heat Deflection Temp (HDT)	1000 / Sample
24.	Vicat Softening Temperature (VST)	1000 /Sample
25.	Haze/Luminous Transmittance	900 /Sample

The Charges listed above do not include cost of consumables or other charges for value added services. Rate of value added services and consumables are listed below. Service Tax at appropriate Govt. rates to be paid by the users.

Universities, Educational institutions are entitled for 25% discount and National Laboratories are entitled for 25% discount, if requested.

Note:

1. As per Govt. rules Service Tax (10.3%) will be charged on the analysis charges.
2. An additional charge of Rs.100/- is applicable for Fax/ Speed Post to all users getting their result by these means and those who get their results in CD will have to pay Rs.100/- extra.
3. Urgent samples on an immediate basis can be done at double the above mentioned rates.
4. The analytical data/spectra are provided only for research/ development purposes. These cannot be used as certificates in legal disputes.
5. **Developmental test charges are payable in advance, by crossed bank draft in favour of CIPET LARPM Bhubaneswar payable at Bhubaneswar**

For transferring fund:

Account No.: 80093050000017

Name of Bank: Syndicate Bank

Branch Name: CEB, Patia, Bhubaneswar

IFSC Code: SYNB0008009

6. *Samples and payment should be sent preferably in the same cover. Separate samples should be sent for different analysis. Samples will not be analyzed till payment is received.*
7. In all correspondence related to analysis our reference number must be mentioned.
8. Radio-active material should be clearly mentioned and handed over personally.
9. Unstable and explosive compounds are not accepted for analysis.
10. Services are rendered to only those users who regularly give us feed-back about the end-use of the results, e.g., thesis, patent, process, publication etc.
11. Research fellows and students are advised to send their application and samples through their Supervisor or Head of Department. The request should be on University/ College/Institute letter head.
12. Interpretation of spectra is not undertaken normally. In special cases this service can be provided on payment of extra charges.

All Communications should be addressed to

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