



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**CIPET:SARP-LABORATORY FOR ADVANCED RESEARCH
IN POLYMERIC MATERIALS**

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

B/25, CNI COMPLEX, PATIA, BHUBANESWAR, ODISHA, INDIA

in the field of

TESTING

Certificate Number: TC-5693

Issue Date: 07/10/2021

Valid Until:

05/09/2023

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY
(CIPET)

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

CIPET:SARP-LABORATORY FOR ADVANCED RESEARCH IN POLYMERIC MATERIALS, B/25, CNI COMPLEX, PATIA, BHUBANESWAR, ODISHA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

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Validity

07/10/2021 to 05/09/2023

Last Amended on

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- PLASTIC & RESINS	Plastic & Polymers, Film	Water vapour Transmission Rate	ASTM D 1653
2	CHEMICAL- PLASTIC & RESINS	Plastics & materials, Composite,	Spread Of Flame	UIC 564, Appendix-11-91
3	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, , Raw Material, Sheet,Resin	Heat deflection temerature	ASTM D 648
4	CHEMICAL- PLASTIC & RESINS	Plastics & polymers, Composite	Smoke Density	ASTM D 2843
5	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Composite, Resin, Film	Toxicity Test	NCD 1409
6	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Film,	Water Vapour Transmission rate	ASTM E 96/E96M
7	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Film, Raw Material, Sheet,Resin	Identification of Polymer (By FTIR)	ASTM E1252
8	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Film, Resin	Loss on drying by TGA	ASTM E 1868
9	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Film, Resin	vicat Softening Temperature	ASTM D 1525
10	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Film, Resin, Sheet	Identification Of polymer (By FTIR)	ASTM D 5477
11	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Films, Resin	Crystallization Temperature by DSC	ASTM D 3418
12	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Foam, Sheet,	Flammability(Vertical & Horizontal)	UL-94
13	CHEMICAL- PLASTIC & RESINS	Plastics & polymers, resin	Melt Flow Rate	ASTM D 1238
14	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Resins, film	Glass Transition Temperature by DSC	ASTM D 3418
15	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Sheet	Thermal Conductivity(Guarded Heat Flow Meter Technique)	ASTM E 1530
16	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Sheet, FRP, Composite	Heat Release Rate	ISO-5660-1
17	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Sheet, FRP,Film	Xenon Arc Weathering	ASTM G 155
18	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers,Resin	VCM Content	IS-10151



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19	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Sheet, Film,	Accelerated Weathering UV-B lamp	ASTM G 151
20	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers, Film, Resin	Melting Temperature by DSC	ASTM D 3418
21	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Materials & Products, FRP, Sheet	Compressive Properties : Compressive Strain	ASTM D 695
22	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Materials & Products, FRP, Sheet	IZOD Impact Strength	ASTM D 256
23	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Materials & Products, FRP, Film, Sheet	Compressive Properties : Compressive Stress	ASTM D 695
24	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Materials & products, FRP, Film, Sheet	DMA in Dual cantilever Beam: Tan delta	ASTM D 5418
25	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Materials & products, FRP, Film, Sheet	DMA in dual cantilever Beam: Loss Modulus	ASTM D 5418
26	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Materials & Products, FRP, Sheet	Charpy Impact test	ASTM D 6110
27	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP, Film , Sheet	DMA in compression, Tan Delta	ASTM D 5024
28	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP, Film , Sheet	DMA in compression: Loss Modulus	ASTM D 5024
29	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP, Film , Sheet	DMA in Compression: Storage Modulus	ASTM D 5024
30	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP, Film , Sheet	DMA in Tension, Tan Delta	ASTM D 5026
31	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP, Film , Sheet	DMA in tension: Loss Modulus	ASTM D 5026
32	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP, Film , Sheet	DMA in tesnsion, Storage Modulus	ASTM D 5026
33	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP, Film , Sheet	Flexural Properties: Flexural Modulus	ASTM D 790
34	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP, Film , Sheet	Flexural Properties: Flexural Strain	ASTM D 790
35	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP, Film , Sheet	Flexural Properties: Flexural Stress	ASTM D 790
36	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP, Sheet	Specific Gravity & Density	ASTM D 792
37	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & products, FRP, Film, Sheet	DMA in Dual Cantilever Beam: Storage Modulus	ASTM D 5418



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38	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Materials & Products, FRP,Sheet	Elongation % at break	ASTM D 638
39	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics materials & Products,FRP,Sheet	Tensile Strength	ASTM D 638
40	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Film	Tensile Properties: Elongation %	ASTM D 882
41	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric film	Tensile Properties: Tensile strength	ASTM D 882