

TEST REPORT

Report No.: **2505310047**

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Date: 28-06-2025

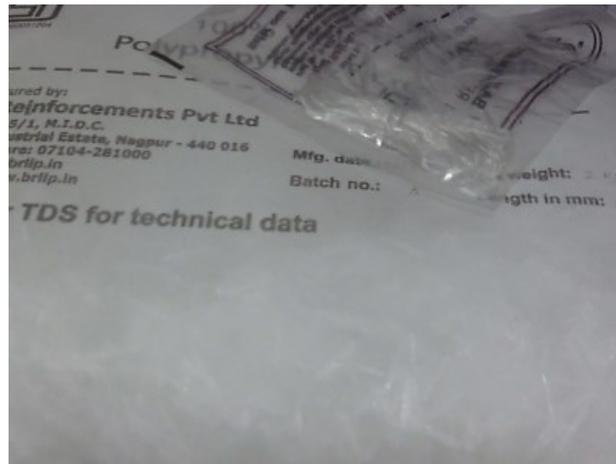
Issued To:

M/s BAJAJ REINFORCEMENTS PVT. LTD.
D-5/1, MIDC, HINGNA INDUSTRIAL ESTATE, NAGPUR, MIDC
NAGPUR - 440016

Sample : Micro Synthetic Polypropylene Fibrillated Fibre, Batch - A, Length - 20 mm
Description
Sample Received : 29-05-2025
Date
Sample Drawn : Client
By
Specification : --
Test Requested : Glass Transition Temperature, Melting Point, Resistance to alkalis, Resistance to acid, Resistance to ageing, Resistance to ultraviolet light, Drying shrinkage
Test Method : Refer to Attached Pages.
Test Result : Refer to Attached Pages.

Authentication: To Check authenticity of Test report (s), Scan QR code to get original data.

SAMPLE PICTURE



BIS, DGQA & Various Govt. Approved Laboratory

ISO 9001 : 2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Laboratory

Terms & Conditions:

1. Sample will not be retained more than one month for chemical and three month for mechanical unless specified instructed. 2. Samples analysis conducted on as received basis and followed by customer description, unless specified otherwise. 3. The laboratory will not be liable for sample destroy/damage during testing, unless instructed otherwise. 4. Any Complaints matter about this report should be communicated in written, within 7 days of issue of this report. 5. The result listed refer only to the tested samples and applicable parameters as described by customer. Endorsement of product is neither inferred nor implies. 6. Total liability of our laboratory is limited to the invoiced amount only. 7. This report cannot be used as and evidence in a court of law without the written approval of the laboratory.

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PART -A: PARTICULERS OF SAMPLE SUBMITTED:

Nature of sample : Synthetic micro Fibres
 Grade/Variety/Type/Class : Virgin, Polypropylene
 Brand Name, if any : -
 Declared Value, if any : Length-20.0mm
 Code No. : -
 Batch No. & Date of Mfg. : A & 26/05/2025
 Quantity of sample received : 2.0 kg
 Condition of sample received : Satisfactory
 Mode of packing : -
 Manner of seal : -
 Manner of Signature : -
 Other information if any : -

PART-B: SUPPLIMENTARY INFORMATION:

- a) Reference to the sampling procedure, wherever applicable: N/A
 b) Supporting to the documents for the measurement taken and result derived like graph, table, sketches, and/or photographs as appropriate to test report, if any [To be attached]: N/A
 c) Deviation from the test methods as prescribed in relevant ISS/work instruction, if any : N/A

PART - C: TEST RESULTS:

TEST REPORT AS PER IS 16481 : 2022 (Applicable Amendments No.1&2)

I. Chemical & Mechanical

Test Method: IS 16481 : 2022

Test performed on: 30-05-2025 to 27-06-2025

S. No.	Clause No.	Test (s)	Unit	Specified requirement	Result obtained
1	4.2 ref. Table 1 S.No.5	Melting point (as per Annex H of IS 16481)	°C	160.0 min.	161.2
2	4.2 ref. Table 1 S.No.6	Glass transition (as per Annex H of IS 16481)	°C	-10.0 min.	-13.4
3	4.2 ref. Table 3 S.No.1	Drying shrinkage for concrete only (as per IS 1199)	%	30.0 min.	48.2
4	4.4	Resistance to alkalis (as per Annex D of IS 16481)	MPa	Shall retain at least 85 percent of their original strength	96.4%
5	4.5	Resistance to acids (as per Annex E of IS 16481)	MPa	Shall retain at least 90 percent of their original strength	95.8%

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6	4.6	Resistance to ageing (as per IS 7016 Part- 8)	MPa	Shall retain at least 90 percent of their original strength	95.1%
7	4.7	Resistance to ultraviolet light (as per Annex F of IS 16481)	MPa	Shall retain at least 85 percent of their original strength	95.3%

PART – D: REMARKS: The above submitted sample/product conforms to the requirements of IS 16481 : 2022 (Applicable Amendments No.1&2) with respect to above test only.

Note:

- 1) Selection of samples for individual test have been done in accordance with respective clauses of IS 16481 : 2022 (Applicable Amendments No.1&2)
- 2) Details of sub-contracted: Nil
- 3) Remnant samples will be disposed off after 03 months from the date of issue of test report.

-----End of Report-----



Renu Sharma
TECHNICAL MANAGER
Authorised Signatory

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