

পূর্বনাম প্রকৃত মতামত দিন  
 প্রতিবেদন উপস্থাপন করুন  
 আবেদন করুন  
 মডিফিকেশন করুন  
 সত্যায়িত করুন

**TEST REPORT OF BEARING PAD**

031096

নির্বাহী প্রকৌশলীর কার্যালয়  
এলজিইডি  
প্রাপ্তি নম্বর: ১০০১/১০০১  
তারিখ: ২০/০৬/২৫  
গ্রহণ কারীর স্বাক্ষর:

Sample Supplied by : জগদীশ মোহন মুন্সী  
 নির্বাহী প্রকৌশলী  
 এলজিইডি, রংপুর।  
 Supplier's Reference : 46.02.8500.000.99.015.19-1446;  
 University Reference : BRTC No. 1103-54064/ME/2024-25;  
 [ME-Job. No. 2506013]  
 Sample Supplied : One Sample of Bearing Pad  
 Size: 650 mm x 450 mm x 90 mm  
 Sample Received : Sealed & Signed  
 Test Conducted by : Department of Mechanical Engineering, BUET, Dhaka-1000  
 Disclaimer : Test results in this report exclusively refer to the sample(s) supplied by the Client.  
 Department of Mechanical Engineering, BUET bears no responsibility regarding the  
 supplied sample(s).

Dated: 28.05.2025  
Dated: 02.08.2025

**TEST RESULTS**

1. TEST OF HARDNESS

Standard used: ASTM D-2240

Surface of the Bearing Pad	Hardness at Different Points (Shore-A Durometer)	Hardness (Median Value) (Shore-A Durometer)	Acceptable Range of Hardness of Median Category Elastomer (Shore-A Durometer)*	Remarks
Top	62, 62, 62, 63, 64	62	60 ± 5	Conforms to the general requirement criteria.
Bottom	63, 64, 64, 64, 65	64	60 ± 5	

2. TEST OF ASH CONTENT

Standard used: ASTM D-297

No. of Samples Tested	Average Ash Content (%)	Maximum Specified Ash Content (%)**	Remarks
2	4.7	5.0	Conforms to the general requirement criteria.

3. TEST OF COMPRESSION SET FOR 22 HOURS AT 100°C

Standard used: ASTM D-395 (Method-B)

No. of Specimen	Average Compression Set (%)	Maximum Specified Limit (%)*	Remarks
2	33	35	Conforms to the general requirement criteria.

4. TEST OF ELASTOMER CONTENT AS POLY CHLOROPRENE

Standard used: ASTM D-297

No. of Samples Tested	Average Elastomer (Poly Chloroprene) Content (%)	Minimum Specified Elastomer Content (%)**	Remarks
2	60	60	Conforms to the general requirement criteria.

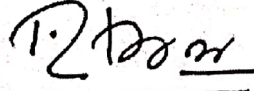
5. TEST OF NUMBER AND THICKNESS OF STEEL PLATES


No. of Steel Plates	Average Thickness of Steel Plates (mm)
07	2.98

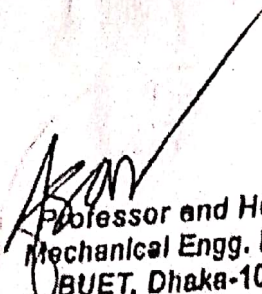
\* Acceptability limit is in accordance with the requirement of Bangladesh Railway (BR)/Jamuna Bridge Access Road Project.  
\*\* Acceptability limit is in accordance with IRC: 83 (Part II) - 1987.

Countersigned by:

Test Performed by:

  
 22/06/2025  
 Dr. A.B.M. Toufique Hasan  
 Professor and Testing Coordinator  
 Dept. of ME, BUET

  
 22/6/25  
 Dr. Alope Kumar Mozumder  
 Professor  
 Dept. of ME, BUET

  
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