

Customer Name: Pakan Atiye Nano Danesh
 Customer Address: NO.78, Zaferaniye, North Naderi St, Qazvin
 Sample Name: Sample
 Client Reference Number: 980312

Laboratory Environmental Conditions: Temperature : Moisture: Attachments:
 Sampling was done by the customer.

Date Of Issue: 2020/5/17
 Order No: 1-26299
 Revision No.: 0
 Sample(s) Received at: 2019/12/24
 Date of Financial Verifying: 2020/1/4
 Testing End Date: 2020/5/16
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Linear Shrinkage Test

Test reference: ASTM C 1728 (2017)/ ASTM C 356 (2017)

Test description:

Four specimen with dimension of 152.4 mm × 63.5 mm and full thickness were prepared. Then they were dried at oven with temperature of 120°C for 48 hrs. At the following, their length and width were measured. The specimens were then placed in the furnace in the order specified in the standard for 24 hrs and the temperature was brought to 649°C. At the end, the specimens were removed from the furnace and after cooling to room temperature, the dimensions were measured again and shrinkage was measured.

Test result:

No changes in appearance were observed. During the time, no flaming during the increase in furnace temperature was observed.

No.	Linear shrinkage in length	Linear shrinkage in width
1	0.87	0.73
2	0.75	0.74
3	0.91	0.82
4	0.95	1.01
Average	0.87	0.83

* According to the requirements of ASTM C 1728 (2017) standard: Linear shrinkage in length and width of the sample should be less than 2%.



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Expert
 Isfahani

B. Mohammad Pour
 Technical Manager

Laboratory Manager
 M. Jaferian

Report will only be valid with **hologram**. RMRC has no responsibility to verify the sample's name stated by the customers. Test samples will be stored here only for **one month** after the tests.

The above-mentioned results will be valid only for the tested samples. For further information please write to the Laboratory manager. For direct contact with the CEO please call

(021) 4681 5533 or send email to y_jaferian@razi-center.net Address: No. 8, Fernan St., HajGhasem Asghari Blvd., Shahre Ghods Entrance, 21th Km, Karaj Makhsoos Rd., Tehran, Iran.

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