

The Balloons Terralóna and Lunalón



Terralóna

Inflatable model of the planet Earth

The average diameter of the real Earth is 13,000 km. Terralona is only 10 m wide. At this scale, Mount Everest would reach a height of seven millimeters. The depth of the Mariana Trench, which is located at the bottom of the Pacific Ocean would be only one millimeter more on this balloon. The deepest place where man has drilled is an experimental well on the Kola Peninsula. In this model, it would have a depth of only eleven millimeters. In unreduced reality, the International Space Station moves at an altitude of 400 km at a speed of 28,000 km/h. With Terralona, we would find this station at a height of 30 cm. Our moon would be less than 4 m in diameter and orbit at about 300 m from the Earth balloon. Terralona is rotated so that you can see Europe better.

Terralóna Average diameter: 10 m Weight: 150 kg Ink consumption for texture printing: 3,150 ml Shots for printing: Terra a Aqua Inflation time: 40 min	The Earth Average diameter: 12,756 km Weight: 5.97×10^{24} kg The Earth is 3.7 times bigger than the Moon The Earth is 1,275,600 times bigger than Terralóna The orbital period of the Earth around the Sun is about 365.25 days
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Lunalón

Inflatable model of the Moon

An enormous inflatable model of the Moon could be seen as a gigantic learning utility with the average size of 10 m of diameter. The groundwork for its breathtaking texture was created by the Lunar Reconnaissance Orbiter probe (LRO). The mentioned probe has been mapping the surface of the Moon since 2009 in a resolution of one hundred meters including shots of selected areas with details of 50 cm. The final texture had to be composed of several millions images. The print is so perfect that it resembles a real Moon. Yet, if you would like to observe and imagine the Moon as it shines in the sky, you would have to move more than 1 km away from it.

Lunalón Average diameter: 10 m Weight: 150 kg Ink consumption for structure print: 3,150 ml Shots for print: LRO (NASA) Inflation time: 40 min	The Moon Average diameter: 3,475 km Weight: 735×10^{22} kg The Moon is 3.7 times smaller than the Earth The distance from the Moon to the Earth is about 384,400 km
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