

General data:

Certificate n°: 750

Customer: JAGS Innovative Prducts

ELASTIC MODULUS TEST**Data from the supplier of the specimens:**

Sample ID: Tekirdağ İli Çerkezköy-Saray Yolu Km 11+000/12+000 Arası

Specimen s/n: Sample-2

Specimen: Produced in laboratory

Specimen description: 150 kg/m³ (%98 Cement+%2 Novocrete)

Date and time of preparation: 23/04/2015 10:33

Date and time of production of concrete: 23/04/2015 10:33

Data from test laboratory:

Date of receipt of the specimen: 21/04/2015

Test date and time: 06/05/2015 16:46

Age of the spec. at the time of test: 14 g.

Terms of aging / moisture: 3

Temperature: 23.5 °C

Weight: 2.015 kg

Density: 2.11 g/cm³Compressive strength: 4.74 N/mm²Gradient: 0.10 (N/mm²)/s

Ax. strain measurement: Transducers = Strain gauges, n = 1, Reference length = 10 mm

Lateral strain measurement: Transducers = Strain gauges, n = 1, Reference length = 10 mm

Results:**Elastic Modulus: 3758.62 N/mm² (σ max = 1.59 N/mm², ϵ max = 292 $\mu\epsilon$, σ min = 0.5 N/mm², ϵ min = 2 $\mu\epsilon$)****Poisson Ratio: 0.34 (ϵ_t max = -100 $\mu\epsilon$, ϵ max = 292 $\mu\epsilon$, ϵ_t min = 0 $\mu\epsilon$, ϵ min = 2 $\mu\epsilon$)****The Operator:****The Head of Lab:**

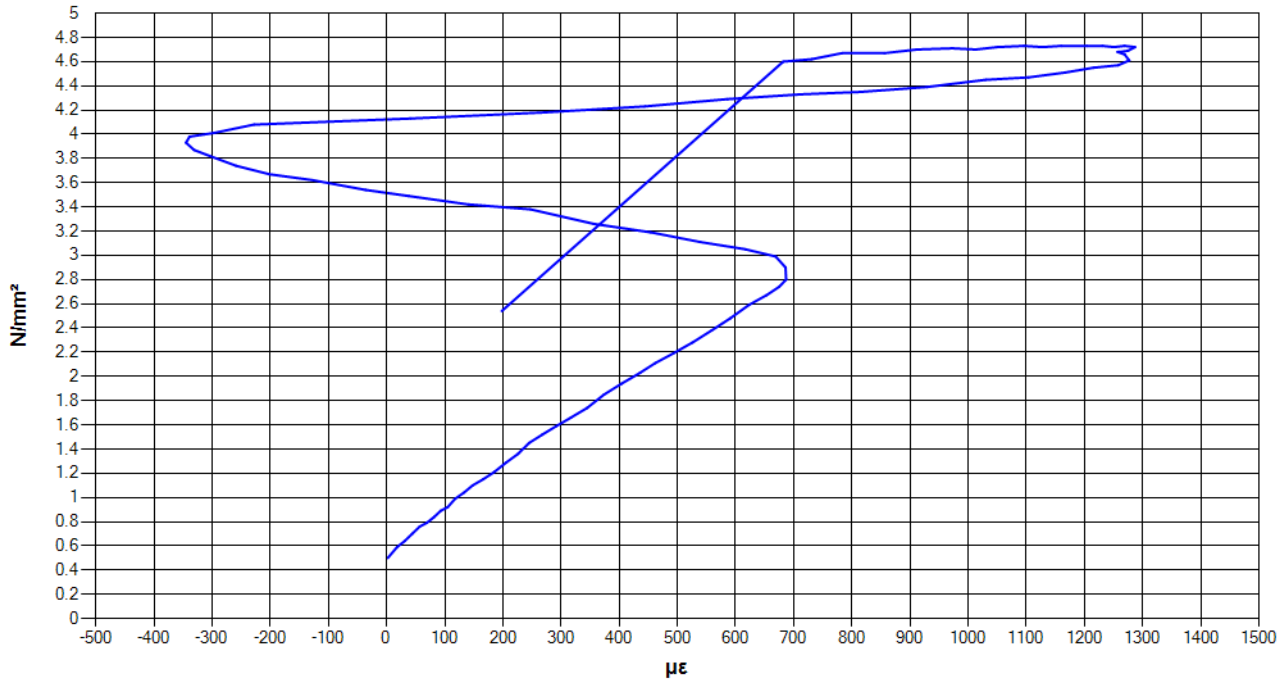
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Graph: Stress (N/mm²) - Axial strain (μ ϵ)



Results:

Elastic Modulus: 3758.62 N/mm² (σ max = 1.59 N/mm², ϵ max = 292 μ ϵ , σ min = 0.5 N/mm², ϵ min = 2 μ ϵ)

Poisson Ratio: 0.34 (ϵ_t max = -100 μ ϵ , ϵ max = 292 μ ϵ , ϵ_t min = 0 μ ϵ , ϵ min = 2 μ ϵ)

The Operator:

The Head of Lab:

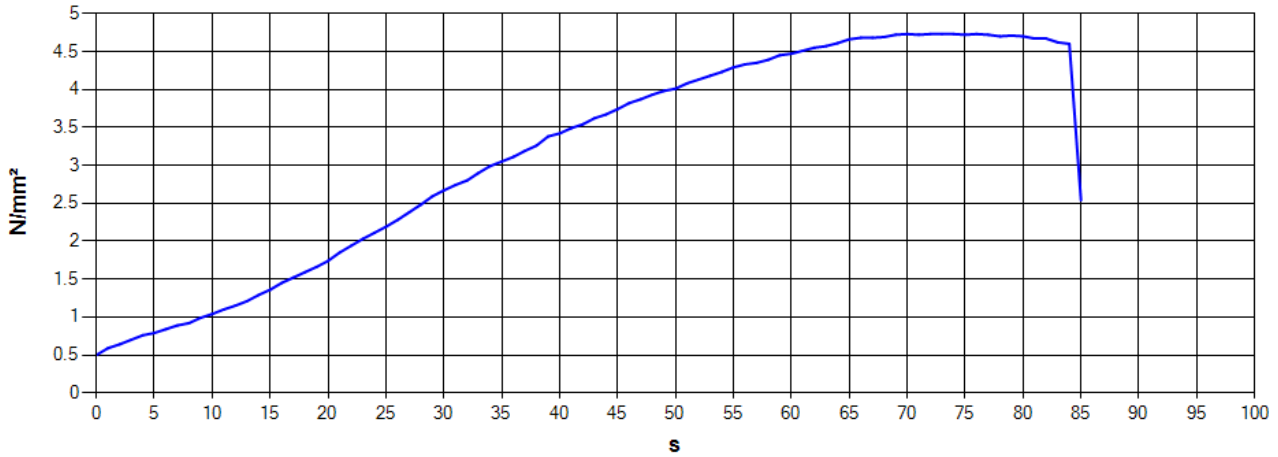
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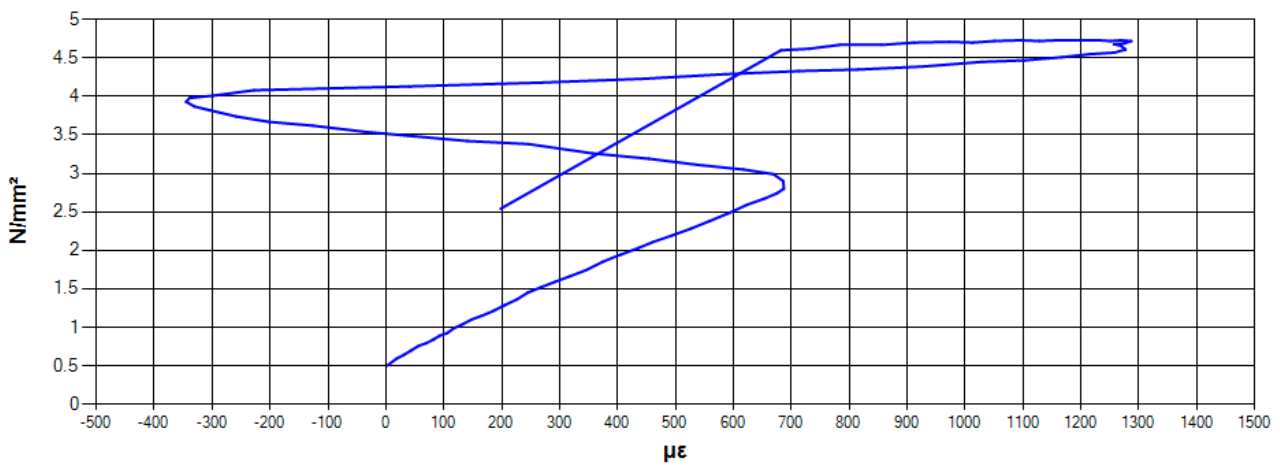
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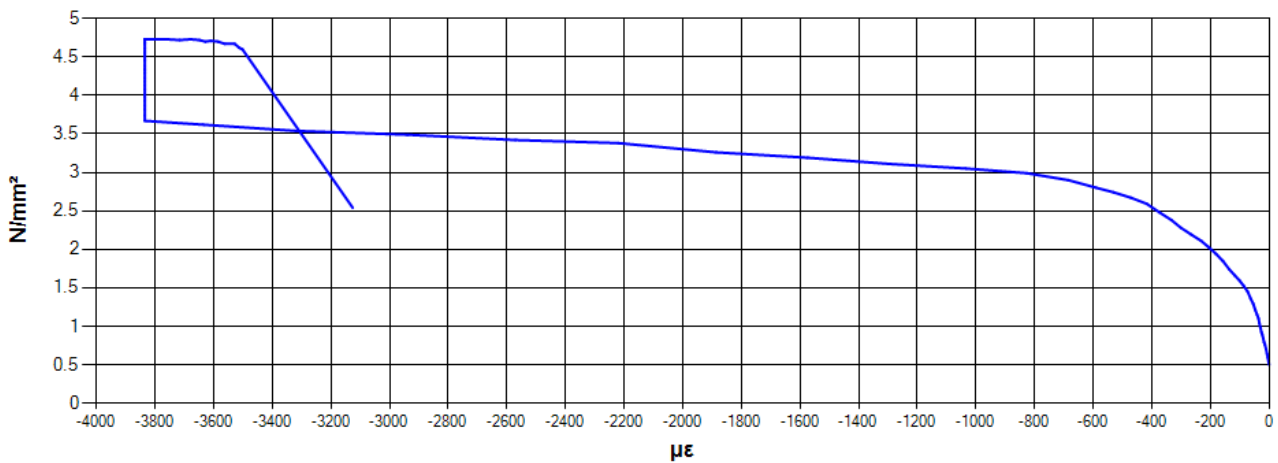
Graph: Time (s), Stress (N/mm²)



Graph: Ax. strain (μ ϵ), Stress (N/mm²)



Graph: Lateral strain (μ ϵ), Stress (N/mm²)



The Operator:

The Head of Lab: