

## SYNBONE Foam Series

The SYNBONE foam series are used as an alternative to human cadaver bone material to test orthopaedic devices and instruments and to perform biomechanical tests.

The SYNBONE foams are available in four different densities.

Specific sizes are available on customer requests.





## **SYNBONE foam off-white; 5 pcf**

**0.08 g/cm<sup>3</sup> density (ISO 1183)**

**0.7 MPa compressive strength (ISO 604)**

SYNBONE foam off-white consists of a very light weight and smooth surface; easily shaped and good ship formation; good heat resistance, resistance to organic solvents.

Available in different sizes on customer request.



## **SYNBONE foam light green; 8.7 pcf**

**0.14 g/cm<sup>3</sup> density (ISO 1183)**

**1.8 – 2 MPa compressive strength (ISO 604)**

SYNBONE foam light-green consists of light weight and smooth surface; easily shaped; low dust; resistance to organic solvents.

Available in different sizes on customer request.



## **SYNBONE foam apricot; 15 pcf**

**0.24 Density (ISO 1183) g/cm<sup>3</sup>**

**2 – 4 Compressive strength (ISO 604) MPa**

**60 – 70 Coefficient of thermal expansion (ISO 11359) 10<sup>-6</sup> K<sup>-1</sup>**

**55 – 65 Deflection temperature (ISO 75) °C**

**5 – 6 Flexural strength (ISO 178) MPa**

SYNBONE foam apricot consists of a good surface structure; easily shaped and machines, resistant to organic solvents.

Available in different sizes on customer request.



## **SYNBONE foam grey; 50 pcf**

**0.80 Density (ISO 1183) g/cm<sup>3</sup>**

**65 – 70 Hardness (ISO 868) Shore D**

**40 – 45 Compressive strength (ISO 604) MPa**

**45 – 50 Coefficient of thermal expansion (ISO 11359) 10<sup>-6</sup> K<sup>-1</sup>**

**85 – 90 Deflection temperature (ISO 75) °C**

**35 – 40 Flexural strength (ISO 178) MPa**

SYNBONE foam grey consists of a fine surface structure; high HDT and very low CTE; good dimension stability; good compressive and flexural strength.

Available in different sizes on customer request.