

2.5 cm Fat Ring for Abdomen Phantom





This 2.5 cm thick fat ring is made of adipose tissue equivalent material and can be mounted around abdomen phantoms NLP1710 or NLP1720 for scanning. It consists of four parts that fit the phantom shape.

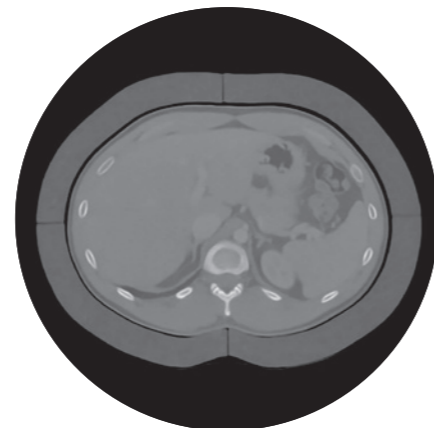
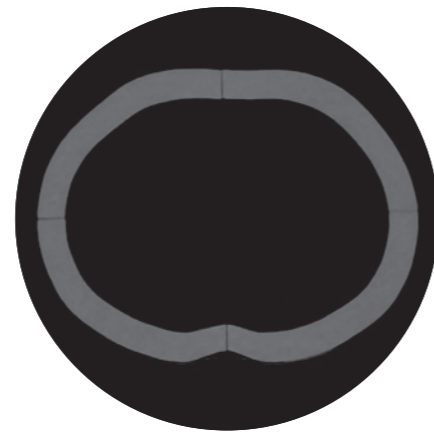
Fat rings for other phantoms or with other thicknesses are also available upon request.

Fitting phantoms:

- Abdomen phantom pv: NLP1710
- Abdomen phantom pv LC spheres: NLP1720

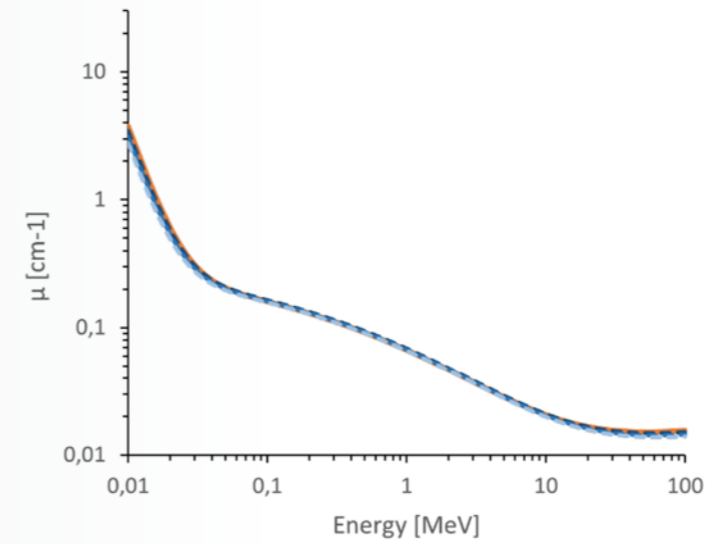
Specifications

Size: approx. 32 x 24 x 15 cm
 Weight: approx. 2.67 kg
 Thickness: 2.5 cm
 Base Material: cellulose-polymer composite



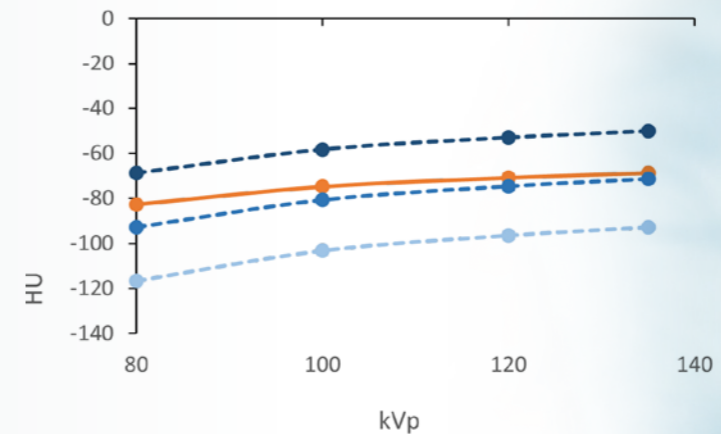
Attenuation properties

Linear attenuation coefficients [cm⁻¹] (calculated)



- μ (Phantom) [cm⁻¹]
- - - μ (Reference Tissue Adipose 1, 0.97g/cm³) [cm⁻¹]
- - - μ (Reference Tissue Adipose 2, 0.95 g/cm³) [cm⁻¹]
- - - μ (Reference Tissue Adipose 3, 0.93 g/cm³) [cm⁻¹]

Hounsfield units (calculated)

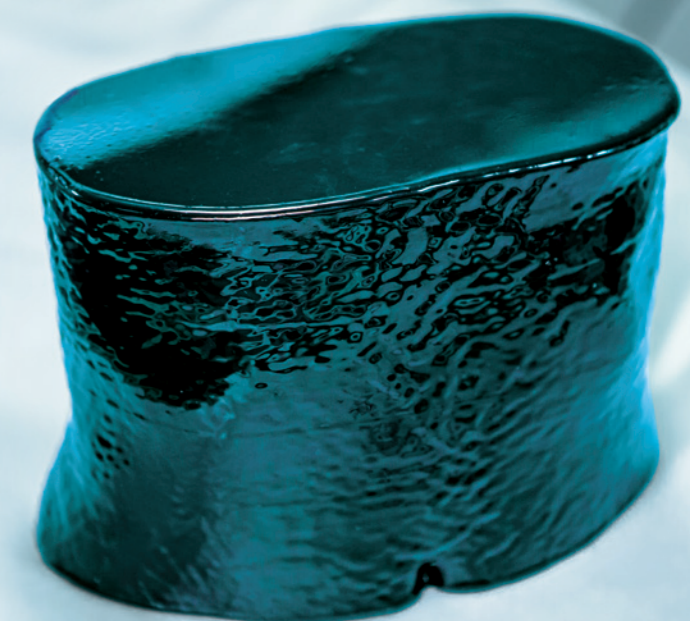


- HU(Phantom)
- - -●- - - HU(Reference Tissue Adipose 1, 0.97g/cm³)
- - -●- - - HU(Reference Tissue Adipose 2, 0.97g/cm³)
- - -●- - - HU(Reference Tissue Adipose 3, 0.97g/cm³)

Tissue Reference: Woodard HQ, White DR. The composition of body tissues. Br J Radiol. 1986.

General indications

- The accessory is made of a cellulose-polymer composite material with properties similar to hardwood. If handled carefully, it will last a long time.
- The accessory is coated with a protective layer. If the protective layer is undamaged, the accessory can be cleaned using a damp cloth (water or mild detergent).
- Protect from direct sunlight.
- Maintain a storage temperature of 10 °C to 30°C. If the accessory is exposed to temperatures below -10 °C or above 45 °C, it can be severely damaged.
- The accessory is not certified as medical device.
- Handle with care to prevent injury or damage.



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