

Artificial bird ALPHA

ALPHA - The test specimen for bird impact tests

The bone and tissue structure was derived from a CT scan of an average goose, chicken. The tissue structures with their different properties replicate the outer shell and internal organs of the bird.

Artificial test body – True to nature with skeleton and soft tissues

Identical test specimen for reproducible test results.

Interesting for the following application areas:

F330 – 16 Bird Impact Testing of Aerospace Transparent Enclosures

DIN EN 15152:2019-10 Railway applications – Windscreens for rail vehicles



Materials

Skeleton / Bone structure

Polyamid

Soft tissue

2 different grades of hardness:

Outside muscle tissue: Addition-curing 2-component silicone rubber

Internal organs: Addition-curing 2-component silicone rubber - gel-like

Weight / Dimensions

Goose

343 x 182 x 164 mm (± 2 mm)

8 lbs (-0 / +0,0045 lb)



Chicken

271 x 157 x 111 mm (± 2 mm)

4 lbs (-0 / +0,0045 lb)

