

Erkoflex / -color



Pure EVA material for flexible stabilization in orthopedics, and shoe technology

Erkoflex is a pure EVA material permanently elastic, resistant and flexible.

In orthopedics and orthopedic shoe technology Erkoflex is always used when flexible materials are needed for stabilization. Erkoflex is thermoformable and can easily and quickly be processed. Erkoflex can bond to itself without adhesive only by heat, which leads to very homogeneous compounds and thus can also be used selectively for reinforcements.

With commercially available adhesives Erkoflex can be bonded with various materials from the orthopedic shoe engineering and technology.

Loops is possible with all known grinding devices in the orthopedics, and shoe technology without problems. Erkoflex can be polished with the flap disc (prepolishing) and with hot air to a high gloss.

Due to its special characteristics and different thicknesses, Erkoflex is ideally suited for the production of front and back ankle, peroneus caps, mounting parts, inner sockets, sample shoes, hand rails and different types of deposits and beddings.

Erkoflex is also available as Erkoflex-color in 14 different colours and thus also suitable for visible stabilizations, slippers and much more.

Available Erkoflex colours in 2.0 and 4.0 mm:



Processing:

Temperature: 100 - 130 °C

Heating time: between 1 - 4 minutes

Heat source: hot plate, furnace or heat gun

Shore hardness: 82 Shore A

Plate size: 1000 x 1000 mm or 1160 x 870 mm

Thickness: 0.5/0.7/1.0/1.5/2.0/3.0/4.0/5.0/6.0/9.0/12.0 and 14.0 mm (Erkoflex transparent)
2.0 and 4.0 mm (Erkoflex-color)

0.8 mm with fabric lamination (red and black)

Medical device (class1):

Erkoflex thermoforming materials are tested on their biocompatibility and are physiologically harmless in their intended use. They are CE marked based on the EU regulation 2017/745 concerning medical products and the directive 93/42/EEC concerning medical products. Up to now (2022) there is no knowledge of confirmed allergic reactions on the materials, but allergic reactions cannot be excluded.



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