

Instruction for use: **Erkodur-S**, clear



Labeling:

Consult accompanying documents

Read instructions for use

Single use only



Storage:

Keep away from sunlight



Keep dry



35 °C/95 °F
5 °C/41 °F

Recommended storage temperature

Indications for use (general):

Thermoforming Sheet Materials and Accessories are indicated for the fabrication of orthodontic and dental appliances.

Intended Use:

Erkodur-S is thermoformed to fabricate the hard mid-layer for the sports mouthguard Playsafe heavy- or light-pro.

Contraindications:

- Before use on patients with a history of allergic reactions to plastics it has to be clarified that there is no specific allergic reaction on Erkodur-S (SBS).

Warning:

- Use strictly limited for the fabrication of orthodontic and dental appliances.
- The use is subject to the responsibility of a therapist.
- For prescription use only.
- Allergic reactions are unlikely but possible.
- Improper thermoforming of the plastic appliance may cause the appliance to crack/break, resulting in sharp edges, loose pieces and possible aspiration of pieces.

Precautions:

- Erkodur-S is not recommended for other dental appliances than hard mid-layers of Playsafe heavy- or light-pro.
- Single use only.
- Pay attention to the storage instructions.



(manufacturer)

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 **ERKODENT**®



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Chemical characteristics:

SBS, styrol-butadien-styrol. Harmless to health. Thermoplast with tested biocompatibility. Insoluble in water, inactive, harmless to ground water.



Disposal/Recycling: General recycling for plastic if available, otherwise general waste.

Material informations:

Viscous-hard, transparent foil. Extremely impact resistant. Very well mouldable. Bonds by heat to Erkoflex (EVA).

Availabilities: Thickness 0.8 mm, 120 and 125 mm round and 125 x 125 mm square.

Please refer to the Erkodent Material Card, Catalogue, Thermoforming Technique Brochure or to www.erkodent.com

Technical data:

Density, 1.02 g/cm ²	Water absorption, 0.2 %	Tensile strength, 35 N/mm ²	Flexional strength, 61 Nmm ²
Impact strength, 8 kJ/m ²	Notch impact, 9 kJ/m ²	Yield stress, 43 MPa	Elongation at break, 20 %
E-modulus, 1900 N/mm ²	Hardness, Shore D 72	Ball indent. hardness, 102 N/mm ²	Vicat softening point, 63 °C
Temp. resistance, 55 °C	Glass trans. temp., 76 °C	Shrinkage (intended use), < 1.0 %	

Plastification and working instructions: (only Erkodent thermoforming units)

Always place the sheet in the devices in such a way that the spacer/insulating foil is pointing towards the model. Please refer to the Erkodent unit instructions for a step-by-step thermoforming process. Sheet data such as heating time or thermoforming temperature are integrated in the internal data base of the thermoforming unit. Please select sheet type and thickness (Erkodur-S 0.8 mm) and follow the working steps indicated by the unit or by the unit instructions. (Erkoform-RVE/-3 and Erkopress ES 200 E units: sheet data in the accompanying unit documents).

For units without control: Test softness of foil with an instrument. If permanent impressions result, thermoform, see picture.

Finishing: (see brochure thermoforming technique)

Recommended finishing set Quick 3 (110 830).

