Thermoforming material

Application terms	Material recommendation
Base plates	Erkoplast PLA-R, 1.5 mm, rose, hard
Bite plates	Erkoplast PLA-R, 1.5 mm, rose, hard
Bleaching trays	Erkoflex-bleach, 1.0 mm, flexible
	Erkoloc-pro, 1.0 mm, hard/soft
Bruxism splints	see occlusal splints
Compression plates	see dressing plates
Copings	Erkodur, 0.5 - 0.8 mm, hard
	Erkolen, 0.5 - 0.8 mm, elastic
Cosmetic splints	Erkodur-0M1/-A1/-A2/-A3, 0.6 - 2.0 mm, hard
Dressing plates	Erkocryl, 1.5 and 2.0 mm, hard
	Erkodur, 1.0 - 2.0 mm, hard
Duplication moulds	Erkoflex, 3.0 - 5.0 mm, flexible
Fluoride trays	Erkoflex-bleach, 1.0 mm, flexible
	Erkoloc-pro, 1.0 mm, hard/soft
Functional trays	Erkoplast PLA-W/-T white and transparent, 3.0 (upper), 4.0 mm (lower), hard
Individual impression trays	Erkoplast PLA-W/-T white and transparent, 3.0 (upper), 4.0 mm (lower), hard
Insulating/spacer foils for the casting technique	UZF-Cast, 0.1 mm
Interim prosthesis	Erkocryl, 2.0 and 2.5 mm, hard
Michigan splints	Erkodur, 1.5 - 5.0 mm, hard
	Erkoloc-pro, 2.0 - 5.0 mm, hard/soft
Occlusal splints	Erkodur, 1.5 - 5.0 mm, hard
	Erkodur-0M1/-A1/-A2/-A3, 2.0 mm, hard
	Erkoflex-95, 2.5 and 4.0 mm, flexible
	Erkolign, 2.0 mm, tough-hard
	Erkoloc-pro, 2.0 - 5.0 mm, hard/soft
Playsafe triple sports-mouthguards	Playsafe triple, 5.5 mm, soft/hard/soft
	Playsafe triple light, 4.1 mm, soft/hard/soft
Radiation protection splints	Erkoflex, 4.0 and 5.0 mm, flexible
	Erkoflex-95, 4.0 mm, flexible
Silensor-sl anti-snoring device	Erkodur/-freeze, 2.5 mm, hard
	Erkoloc-pro/-color, 3.0 mm, hard/soft

Application terms	Material recommendation
Spacer for fluoride gel	Erkolen, 1.0 mm, elastic
Sports-mouthguards (multi-layered protection splints)	Erkodur-S, 0.8 mm (heavy-/light-pro), hard
	Erkoflex, 2.0 and 4.0 mm, flexible
	Erkoflex-color, 2.0 and 4.0 mm, flexible
Stabilization splints	Erkodur, 1.0 mm, hard
	Erkodur-0M1/-A1/-A2/-A3, 1.0 mm, hard
	Erkolign, 1.0 mm, tough-hard
	Erkoloc-pro, 1.0 and 1.3 mm, hard/soft
Temporary appliances, combines to resin only with primer for plastics	Erkodur, 0.6 - 1.0 mm, hard
	Erkodur-0M1/-A1/-A2/-A3, 0.6 and 1.0 mm, hard
Temporary appliances, only mould	Erkolen, 0.8 and 1.0 mm, elastic
Usig friction-generating coping	Usig-foil, 0.5 mm, hard
Implantology	
Planning- X-ray and orientation templates	Erkodur, 1.0 - 5.0 mm, hard
Protection splints	Erkodur, 1.0 mm, hard
	Erkoflex-95, 1.5 mm, flexible
	Erkolign, 1.0 mm, very tough
Orthodontics	
Aligner / Correction splints	Erkodur, 0.5 - 1.0 mm, hard
	Erkodur-al, 0.6 - 1.0 mm, hard
	Erkoloc-pro, 1.0 and 1.3 mm, hard/soft
Bracket transfer splints	Erkoflex, 1.5 and 2.0 mm, flexible + Erkodur, 1.0 mm, hard
Etching masks for bracket transfer	Erkolen, 0.8 and 1.0 mm, elastic
Orthodontic/extension plates	Erkocryl, 2.0 and 2.5 mm, hard
Positioners	Erkoflex, 3.0 - 5.0 mm, flexible
Retainers	Erkodur, 0.6 - 1.0 mm, hard
	Erkodur-al, 0.6 - 1.0 mm, hard
	Erkoloc-pro, 1.0 - 2.0 mm, hard/soft
Retention plates	Erkocryl, 2.0 and 2.5 mm, hard

Materialempfehlung-EN-09-2023

Info + Video

ERKODENT®

Thermoforming material

Thermoforming materials		Colour	Material characteristics
Erkocryl	PMMA	*clear*	Stable, hard, acrylate based material. Bonds to acrylate.
Erkodur-al	7 copolyester	*clear*	Cristal clear viscoelastic-hard and break-resistant material with excellent dimensional stability. Aprox. 35 % softer than Erkodur.
Erkodur / Erkodur *freeze*	PETG	*clear / turquoise-transparent*	Very tough, hard material. Burns without residues. Bonds to acrylate.
Erkodur-0M1/-A1/-A2/-A3	PETG	*tooth colour*	Colour shade is equivalent to 0M1/A1/A2/A3, colour density depends on the thickness, otherwise like Erkodur.
Erkodur-S	SBS	*clear*	Tough-hard material. Burns without residues. Bonds to acrylate. Bonds with heat to Erkoflex.
Erkoflex	EVA	*transparent or coloured*	Flexible, soft-elastic material. Can be bonded by heating or a fusing gun with Erkoflexsticks-82. Hardness Shore A: 82.
Erkoflex-95	EVA	*transparent*	Flexible-elastic material. Can be adjusted by heating or a fusing gun with Erkoflex-sticks-95 (not bonded). Hardness Shore A: 95.
Erkoflex-bleach	EVA	*transparent*	Flexible material with high elasticity. Hardness Shore A: 95. Does not bond to acrylate.
Erkolen	PE	*transparent*	Elastic material, burns without residues, low form memory. Does not bond to acrylate.
Erkolign	PP	*transparent*	Extremely resistant, break-stable and tough material. Does not bond to acrylate.
Erkoloc-pro/- *blu* / *green* / *pink*	PETG TPU	*transparent / blu / green / pink*	Double-layer plate hard/soft. Resistant material with high wearing comfort. Hard side bonds to acrylate.
Erkoplast PLA-R	PLA	*rose*	Impact resistant, very rigid material, bonds by heat and with autopolymerizing resin.
Erkoplast PLA-T	PLA	*transparent*	Impact resistant, very rigid material. Accessory: PLA tray handle. PLA material bonds by heat and with autopolymerizing resin.
Erkoplast PLA-W	PLA	*white*	Impact resistant, very rigid material. Accessory: PLA tray handle. PLA material bonds by heat and with autopolymerizing resin.
Playsafe triple foil	EVA COC EVA	*transparent or coloured*	Triple-layer plate soft/hard/soft.
Usig-Foil	PETG	*tooth colour-opaque*	Abrasion-resistant, very tough material. Glueable, bonds to acrylate.
UZF-Cast	PS	*red*	Spacer foil (shrinkage compensation) for the casting technique.
	PE		Insulating foil for insulating and shrinkage compensation

ERKODENT®