

Materials - *Frame Options*

Information Provided By Kevin Orthopedic Institute

TPE

TPE (mm)

3

4

FRAME FABRICATION METHODS ACCEPTED:

- Plaster positive model vacuum formed
- CAD CAM positive model vacuum formed
- Redimold positive model vacuum formed

FEATURES:

- Rubber-like characteristics
- High fatigue resistance
- Elastic rebound characteristics
(will return to vacuum molded congruency)

CLINICAL INDICATIONS:

- Patient's who cannot tolerate rigid frames
- Sedentary to active patients

TPE is a thermoplastic elastomer material used for orthotic frames. It makes up the solid foundation of the heel cup and the material that extends distally to proximal of the metatarsal heads. This material is known for its flexible, viscoelastic property while maintaining its durability. This material is best applied to assist patients who cannot tolerate rigid frames.

Note: Distal edge thickness is depicted for comparison purposes. The distal edge of all frames are tapered to an approximated 1mm thickness to provide comfortable transition off the frame.



Semiflexible



Flexible

*color depicted is tan. TPE may also come in off white

Note: All illustrations and diagrams are of right foot