

Materials - Frame Options

Information Provided By Kevin Orthopedic Institute

Polypropylene

| PolyPro (mm) | 2 | 3 | 4 | 5 | 6 |
|--------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

FRAME FABRICATION METHODS ACCEPTED:

- Plaster positive model vacuum formed
- CAD CAM positive model vacuum formed
- Redimold positive model vacuum formed
- Direct mill frame

FEATURES:

- Excellent fatigue resistance
- Elastic rebound characteristics
(will return to vacuum molded congruency)
- High stiffness and good tensile strength

CLINICAL INDICATION:

- Active to very active patients

Polypropylene is a thermoplastic material used for orthotic frames, that 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 strength, rebound and toleration for repeated biomechanical stress, while maintaining its shape and intimate congruent contours.

Polypropylene has a general lifespan of 2 years, but depending on the patient's weight, frequency of use, frame thickness and contour shape, this time can vary.

Note 1: If no frame thickness is selected, then a device's thickness may be subjected to being calibrated per weight if applicable. If not, a standard thickness of 3mm may be selected. Please see page 58 for the Frame Calibration Guide Per Weight for details.

Note 2: 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.

🔑 CLINICAL PEARL

Polypropylene is a thermoplastic and will soften each time it is heated and harden each time its cooled. With a heat gun, contour can be adjusted in clinic.



Most Rigid



Very Rigid



Rigid



Semi-Rigid



Semiflexible

*color depicted is black. Polypropylene may also come in white

Note: All illustrations and diagrams are of right foot