



Many years of experimentation with different materials and testing were involved in the development of our DynaSport devices. After years of clinical use, we remain confident that our polypropylene material is the best available for all-around sports use.

We continue to test new materials as they become available. New materials that have particular applicability to sporting activities are marketed under the DynaSport label. (eg. TL-2100™ and newer acrylic combinations)

Standard thicknesses of polypropylene are 1/8", 5/32", and 3/16". The 5/32" is slightly more flexible than 3mm rohadur and most frequently used for patients weighing from 110 to 175 pounds. The 1/8" can be used when a more flexible device is needed and the 3/16" when one with slightly less flexibility is needed.

Regardless of the flexibility of the polypropylene, it has an excellent memory of its pressed shape and will rebound following deformation. Polypropylene is virtually unbreakable, and we offer a life-time guarantee against breakage. Because of its durability, the polypropylene is often used as a standard device, particularly for children or heavy individuals when extra stress is anticipated.

Any of our top cover and extension materials are available on the polypropylene shells at additional cost. The most popular top cover for sports activities is closed cell neoprene because of its ability to reduce friction. Intrinsic forefoot posting is included at no charge with the polypropylene-type devices and rearfoot posting is available with three material choices: 1) polypropylene, 2) acrylic, or 3) crepe with wear resistant cap. It is occasionally useful to grind a rearfoot post directly into the heel cup. This reduces the heel elevation and is particularly helpful with using a device on the longer limb with a limb length discrepancy. With some foot types this may cause rocking on the shank of the shoe. The extended forefoot varus or valgus posting which enables some frontal plane control when the patient is on the ball of their foot can be applied to the polypropylene with a leather extension.

Polypropylene should be adjusted by grinding away the unwanted material.

Any type of impression casting that you find that accurately captures the position of the foot around which you would like to control function is suitable. Please note the type of impression you have taken so that we may provide the proper correction of the positive model. If no specific notation is made, we will assume it is a non-weight bearing suspension type impression.

Any of our positive cast corrections are available with the DynaSport devices.

With an unbreakable polypropylene shell and nearly any combination of additions, we feel the DynaSport devices will allow you to meet the needs of your athletic patients.

™ Medical Materials Corp.

