Plastics in Lower-Limb Orthotics

Polypropylene has been in use for lower-limb orthoses in various parts of the U.S. and Canada for more than 5 years. Although polypropylene itself was introduced and used in orthotics slightly before vacuum forming was introduced most of the fabricators have used this technique in fabrication. Some AFO designs are being offered "off-the-shelf" in a series of sizes. Some suppliers stress that the purpose of these prefabricated units is to determine if the patient will benefit from a custom made device or devices.

A partial bibliography on the use of plastics in orthotics is included on this page.

We invite readers of the Newsletter to give us the benefit of their experiences with respect to both custom-made designs and off-the-shelf units by filling out the questionnaire on page 3 and returning it to AAOP, 1444 N Street, N.W., Washington, D.C. 20005. You are asked to be as complete as possible in the information you give so that meaningful conclusion can be obtained. If additional space is needed please use a blank piece of paper and attach it to the original.

Partial Bibliography Plastic Lower-Limb Orthotics

1. Artamonov, Alex, Vacuum forming of sheet plastics, ISPO Bulletin, No. 4, October 1972
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12. Marx, Herbert W., Lower-limb orthotic designs for the spastic hemiplegic patient, Orth. and Pros. 28:2, June 1974
19. Stills, Melvin, Thermoformed ankle-foot orthoses, Orth. and Pros. 29:4, December 1975
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22. Wilson, A. Bennett, Jr., Vacuum forming of plastics in prosthetics and orthotics, Orth. and Pros. 28:1, March 1974