

Proflex® S Socket Sheet

Soft silicone-modified prosthetic socket material for prosthetic applications.

Description and Overview

ProFlex-S® (silicone modified) is a soft rubber-like ethylene-based socket material, specially designed to provide increased prosthetic patient comfort and performance. ProFlex-S® is silicone modified, producing a dry feel with a low friction surface. Similar to ProFlex, ProFlex-S® offers high-performance flexibility and durability. ProFlex-S® is "milky" to white opaque in appearance, depending on thickness the material thickness. ProFlex-S® is made in the United States primarily for the medical industry.

Features

- Ultimate comfort in prosthetics
- Low friction
- Desirable thermoforming capabilities
- Durable
- Easily formable
- Made in the USA
- Various grades available
- Milky white to white opaque color

Typical Applications

- Prosthetic Sockets
- Gaskets and Seals
- Hose and Tubing
- Boots



*Transparent in color.

93%
increase in peak
ankle power¹

+

82%
increase in range
of ankle motion¹

=

11%
load reduction on
the sound side¹

&

15%
reduction in sound
side peak external
knee varus moment²

¹ Evaluation of a novel prosthetic foot while walking on level ground, ascending and descending a ramp. Daniel W. W. Heitzmann¹, Dipl. Ing. (FH), MerkurAlimusaj¹, Dipl. Ing. (FH) and Sebastian I. Wolf¹, PhD¹ Movement Analysis Lab, Department of Orthopedics, Heidelberg University Hospital, Germany ESMAC, Heidelberg 10th to 12th September 2015.

² Heitzmann DWW et al; A novel prosthetic foot leads to increased ankle power and reduced sound side loads in transtibial amputees; Abstract, Oral Presentation at the AOPA National Assembly San Antonio, TX, USA, October 7-10, 2015.

*Field testing is recommended for any application.

**Data only applies to the standard Pro-Flex foot.

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WARNING: This product can expose you to chemicals including Ethylene Oxide, CAS 75-21-8, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



WARNING: This product can expose you to chemicals including Ethylene Oxide, CAS 75-21-9, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



www.interstateplastics.com