



PPT

BY LANGER

Distributed by

Langer

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PPT® Thinline

- Prefabricated PPT Orthotic designed to provide superior shock absorption when space is limited within the shoe
- Ultralux super-wicking top cover helps keep skin cool, dry and comfortable
- 1/16" PPT Ultralux full length top cover
- 1/16" Plastazote full length base
- Shock Absorption: Low-Moderate
- Heat moldable at 180° - 200° F
- Sold in pairs



Order #	Size
24110	W 5/6
24120	W 7/8
24130	W 9/10
24140	M 7/8
24150	M 9/10
24160	M 11/12
24170	M 13/14

PPT® Standard

- Prefabricated PPT Orthotic designed to provide superior shock absorption
- Ultralux super-wicking top cover helps keep skin cool, dry and comfortable
- 1/8" PPT Ultralux full length top cover
- 1/16" Plastazote full length base
- Shock absorption: Moderate-High
- Heat moldable at 180° - 200° F
- Sold in pairs



Order #	Size
24210	W 5/6
24220	W 7/8
24230	W 9/10
24240	M 7/8
24250	M 9/10
24260	M 11/12
24270	M 13/14

PPT Thinline, Standard, Super and RX Firm Prefabricated Orthotics include two self adhesive backed PPT heel lift insert components.

PPT® Super

- Prefabricated PPT Orthotic designed to provide superior shock absorption
- Ultralux super-wicking top cover helps keep skin cool, dry and comfortable
- 1/8" PPT Ultralux full length top cover
- 1/8" Plastazote full length base
- Shock absorption: High
- Heat moldable at 180° - 200° F
- Sold in pairs



Order #	Size
24310	W 5/6
24320	W 7/8
24330	W 9/10
24340	M 7/8
24350	M 9/10
24360	M 11/12
24370	M 13/14

PPT® Rx Firm

- Prefabricated PPT Orthotic designed to provide superior shock absorption
- Ultralux super-wicking top cover helps keep skin cool, dry and comfortable
- 1/8" PPT Ultralux full length top cover
- 1/8" Plastazote firm density full length base
- Shock Absorption: Moderate-High
- Heat moldable at 180° - 200° F
- Sold in pairs



Order #	Size
24010	W 5/6
24020	W 7/8
24030	W 9/10
24040	M 7/8
24050	M 9/10
24060	M 11/12
24070	M 13/14

P P T® I n s o l e s

PPT® Diab-A-Sole

- Prefabricated insole that offers a combination of PPT for shock absorption and cushioning and Plastazote to reduce shearing and distribute forces more evenly
- 1/8" Plastazote full length top cover adhered to a 1/16" PPT full length base
- Sold in pairs



Order #	Size
62510	W 5/6
62520	W 7/8
62530	W 9/10
62540	M 7/8
62550	M 9/10
62560	M 11/12
62570	M 13/14

PPT® Diab-A-Sole w/Flange

- Prefabricated insole that offers a combination of PPT for shock absorption and cushioning and Plastazote to reduce shearing and to distribute forces more evenly
- 1/8" Plastazote full length top cover adhered to a 1/16" PPT full length base
- Added flange for longitudinal arch support
- Sold in pairs



Order #	Size
62610	W 5/6
62620	W 7/8
62630	W 9/10
62640	M 7/8
62650	M 9/10
62660	M 11/12
62670	M 13/14

PPT® Flat Insole

- Prefabricated PPT insole designed to provide superior shock absorption with an Ultralux super-wicking top cover that helps keep skin cool, dry and comfortable
- 1/8" PPT Ultralux full length top cover
- Sold in pairs



Order #	Size
26110	W 5/6
26120	W 7/8
26130	W 9/10
26140	M 7/8
26150	M 9/10
26160	M 11/12
26170	M 13/14

PPT® Flat Insole w/Flange

- Prefabricated PPT insole designed to provide superior shock absorption with an Ultralux super-wicking top cover that helps keep skin cool, dry and comfortable
- 1/8" PPT Ultralux full length top cover
- Added flange for longitudinal arch support
- Sold in pairs



Order #	Size
26010	W 5/6
26020	W 7/8
26030	W 9/10
26040	M 7/8
26050	M 9/10
26060	M 11/12
26070	M 13/14

- PPT is the #1 medical grade soft-tissue supplement for cushioning, durability and the highest degree of shock absorption
- PPT provides the maximum retention of both comfort and flexibility
- PPT is available for all your orthopedic, therapeutic, orthotic, and prosthetic applications, including custom orthotics, prefabricated orthotics, prosthetic padding and other biomechanical supports

PPT® Materials

PPT® Smooth/Abraded

PPT material with one side smooth and the reverse side abraded for adhesion

- Sheet size 12" X 60" (5sqft)
- Available colors: Blue and Tan
- Available Thickness: 1/16", 1/8", 1/4", and 3/8"

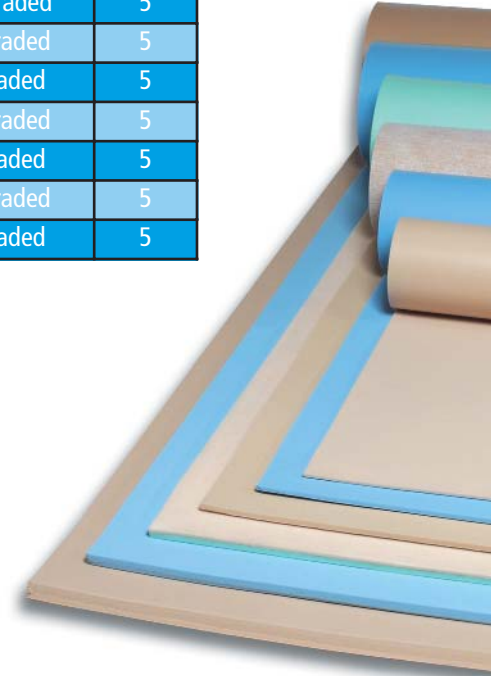
Order #	Description	Sq. Ft.
21602	1/16" Blue, 12"x 60", Smooth/Abraded	5
21622	1/16" Tan, 12"x 60", Smooth/Abraded	5
21802	1/8" Blue, 12"x 60", Smooth/Abraded	5
21822	1/8" Tan, 12"x 60", Smooth/Abraded	5
21402	1/4" Blue, 12"x 60", Smooth/Abraded	5
21422	1/4" Tan, 12"x 60", Smooth/Abraded	5
21302	3/8" Blue, 12"x 60", Smooth/Abraded	5
21322	3/8" Tan, 12"x 60", Smooth/Abraded	5

PPT® Abraded/Abraded

PPT material with both sides abraded for adhesion

- Sheet size 12" X 60" (5sqft)
- Available colors: Blue and Tan
- Available Thickness: 1/16" and 1/8"

Order #	Description	Sq. Ft.
21604	1/16" Blue, 12"x 60", Abraded/Abraded	5
21624	1/16" Tan, 12"x 60", Abraded/Abraded	5
21804	1/8" Blue, 12"x 60", Abraded/Abraded	5
21824	1/8" Tan, 12"x 60", Abraded/Abraded	5



PPT® Plus

PPT material with one side abraded and a reverse side of extremely durable non-woven polyester reinforcement. This prevents cracking and tearing at the distal edges of the orthosis.

- Sheet size 12" X 60" (5sqft)
- Available colors: Blue and Tan
- Available Thickness: 1/16" and 1/8"

Order #	Description	Sq. Ft.
21603	1/16" Blue, 12"x 60", PPT Plus	5
21623	1/16" Tan, 12"x 60", PPT Plus	5
21803	1/8" Blue, 12"x 60", PPT Plus	5
21823	1/8" Tan, 12"x 60", PPT Plus	5

PPT® Ultralux®

PPT material with Ultralux on one side, a super-wicking top cover that helps keep skin cool, dry and comfortable with the reverse side abraded for adhesion.

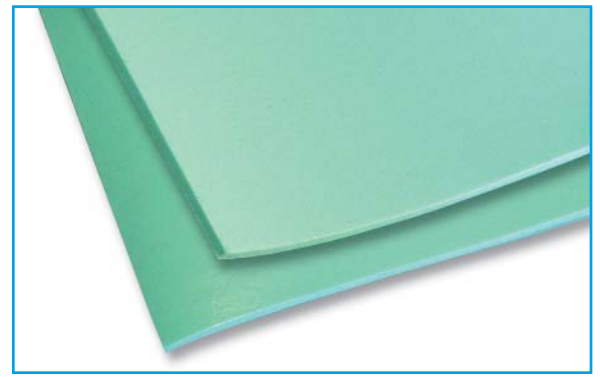
- Sheet size 12" X 60" (5sqft)
- Available colors: Blue and Tan
- Available Thickness: 1/16", 1/8"

Order #	Description	Sq. Ft.
21609	1/16" Blue, 12"x 60", Abraded w/UltraLux Topcover	5
21629	1/16" Tan, 12"x 60", Abraded w/UltraLux Topcover	5
21809	1/8" Blue, 12"x 60", Abraded w/UltraLux Topcover	5
21829	1/8" Tan, 12"x 60", Abraded w/UltraLux Topcover	5

PPT® Slow Recovery

PPT Slow Recovery molds to the foot during weight bearing and provides total contact for all applications and increases the weight bearing surface.

- PPT material with one side smooth and an abraded reverse side for adhesion.
- Sheet size 12" X 60" (5sqft)
- Available color: Green
- Available Thickness: 1/8", 1/4"



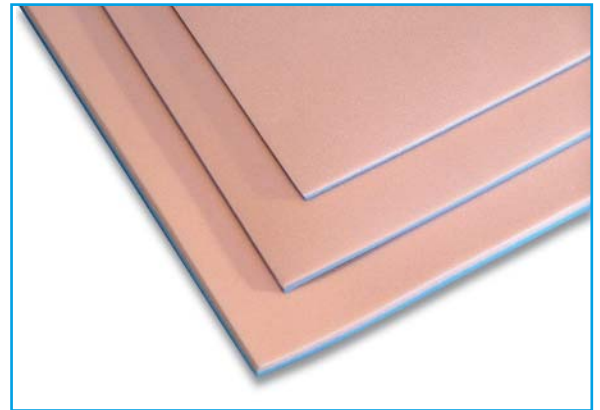
Order #	Description	Sq. Ft.
21832	1/8" Green, 12"x 60", Slow Recovery	5
21432	1/4" Green, 12"x 60", Slow Recovery	5

PPT® Diab-A-Sheet

A combination of Plastazote, which reduces shearing and distributes forces more evenly, adhered to PPT for shock absorption and cushioning.

- Sheet size 19" x 29"

Order #	Description	Sq. Ft.
64010	1/16" PPT & 1/8" Plastazote, 19" x 29"	3.83
64020	1/8" PPT & 1/8" Plastazote, 19" x 29"	3.83
64030	1/8" PPT & 1/4" Plastazote, 19" x 29"	3.83



PPT® Cambrelle

PPT material with Cambrelle top cover and non-woven bottom cover. Cambrelle is a moisture absorbing, super wicking top cover that helps keep skin cool, dry and comfortable.

- Sheet size 12" X 60" (5sqft)
- Available colors: Burgundy
- Available Thickness: 1/16"

Order #	Description	Sq. Ft.
21621	1/16" Cambrelle 12" x 60"	5



P P T® M a t e r i a l s

PPT® Components

Adhesive-backed PPT components allow for quick, in-office application of shock absorption right where the patient needs it.
(1 set includes 6 pairs)

Heel Spur Insets

Order #	Size
22100	Small
22110	Medium
22120	Large



Heel Wedges

Order #	Size
22200	Small
22210	Medium
22220	Large



Heel Lifts

Order #	Size
22300	Small
22310	Medium
22320	Large



Longitudinal Arches

Order #	Size
22400	Small
22410	Medium
22420	Large



Metatarsal Bars

Order #	Size
22500	Small
22510	Medium
22520	Large



Metatarsal Pads

Order #	Size
22600	Small
22610	Medium
22620	Large



PPT® Physical Specifications

Physical Properties

Density (lbs./ft)15-20lbs

Compression Set %

Room Temperature (Dry, 73°F)<2

Elevated temperature (Dry, 158°F)<10

After Hydrolysis (autoclaved at 250°F)<5

Compression Force Deflection

25% Deflection, PSI7

50% Deflection, PSI13

Tensile Strength (PSI Min)78-94

Elongation (% Min)100 - 119%

Bonding

All common orthotic materials can be bonded to PPT. When using Polyolefin plastics, surface roughing of the plastic, a common practice, is recommended. As always, read and understand the label directions of the cement you use, with special attention to drying time.

If you are using non-abraded PPT, it may be helpful to rough the surface slightly with sandpaper before applying the adhesive.

PPT is easily cut with scissors to produce a finished look. Thicker material, 1/4" or more, can also be rough cut on a band saw.

Chemical Resistance

PPT is unaffected by mild inorganic acids and bases. It shows modest swelling with oils, greases, and other linear hydrocarbons. In most cases, physical properties recover to a great extent as the solvents evaporate.

Corrosion Resistance

Excellent (AMS 3568)

Test Methods

- ASTM D 1667 (25% compression for 22 hrs. @ 73°F, 24 hrs. recovery)
- ASTM D 3574 (50% compression for 22 hrs. @ 158°F, 1/2 hr. recovery)
- ASTM D 3574 (after 5 hrs. of autoclaving @ 250°F, 1/2 hr. recovery)
- .025+” thick specimens tested on an Instron @ 0.2 in./minute strain rate
- ASTM die No. 1564 run @ 20”/min

NOTE: The above data represent nominal values and may vary with thickness.

The performance data contained herein are based on standard laboratory tests. Since the test conditions cannot always duplicate actual end use, Langer, Inc. makes no warranties with regard to such data, and assumes no responsibility for performance characteristics resulting from conditions which differ from those used in laboratory tests.

The user should make his own tests to determine the suitability of this product for his intended use.

Durometer

13-21 Shore “O” 9-14 Shore “A”

Temperatures

PPT tolerates temperatures up to 250°F for brief periods. Its embrittlement temperature is -60°F.

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