

# HIGH PERFORMANCE

## PU

### PORON MEDICAL® CLASSIC

This is the same soft supporting grade that Podiatrists and Orthotists have relied upon globally for many years as the soft tissue supplement of choice.

PORON Medical® foams should be laminated with a top cover for necessary abrasion resistance and tear resistance.




Poron Medical Blue

Poron Medical Tan

PRODUCT CODE	DESCRIPTION	COLOUR	SHEET SIZE (MM)
<b>PORMS-20059B</b>	Poron Medical Buffered 1 side 1.5mm	Blue/Tan	1,372
<b>PORMS-20059BB</b>	Poron Medical Buffered 2 sides 1.5mm	Blue/Tan	1,372/1,524
<b>PORMS-20059BM</b>	Poron Medical Buffered 1 side 1.5mm + Cushmax	Blue	1,524
<b>PORMS-20059BU</b>	Poron Medical Buffered 1 side 1.5mm + Kashmeer	Blue	1,524
<b>PORMS-20059BPR</b>	Poron Medical Buffered 1 side 1.5mm + Proliner	Blue	1,524
<b>PORMS-20118B</b>	Poron Medical Buffered 1 side 3.0mm	Blue/Tan	1,372
<b>PORMS-20118BB</b>	Poron Medical Buffered 2 sides 3.0mm	Blue/Tan	1,372/1,524
<b>PORMS-20118BM</b>	Poron Medical Buffered 1 side 3.0mm + Cushmax	Blue	1,524
<b>PORMS-20118BU</b>	Poron Medical Buffered 1 side 3.0mm + Kashmeer	Blue	1,524
<b>PORMS-20118BPR</b>	Poron Medical Buffered 1 side 3.0mm + Proliner	Blue	1,524
<b>PORMS-20236B</b>	Poron Medical Buffered 1 side 6.0mm	Blue/Tan	1,372
<b>PORMS-20374</b>	Poron Medical Smooth 9.5mm	Blue	1,372
<b>PORMS-20374B</b>	Poron Medical Buffered 1 side 9.5mm	Blue/Tan	1,372
<b>PORMS-20500</b>	Poron Medical Smooth 12.0mm	Blue	1,372

<b>Durometer (Shore A)</b>	<b>15</b>	 <b>Thermoadhesive</b>
Density	320kg/m <sup>3</sup>	
Colours Available	Light Blue (-14) or Tan (-40)	
	6 LinM, Large Rolls, Master Rolls	



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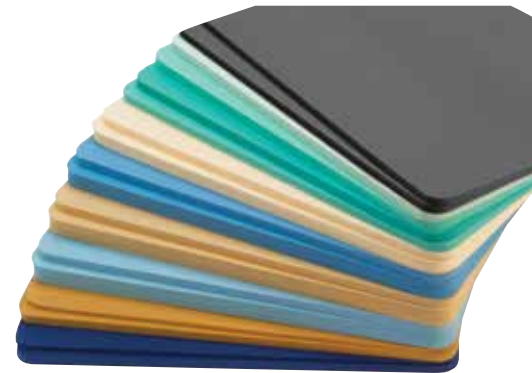
High performance cushioning materials are those which exhibit excellent long term shock absorption and resiliency.

Poron Medical® Urethanes are regarded as the original material of choice for shock absorption, resiliency and cushioning.

As the official appointed distributor for PORON® Performance and PORON Medical® Urethanes for Australia and New Zealand, Mason Grogan stocks the complete range of Footwear and Medical Grades, provides customers with direct factory support, plus the technical support of the accredited R&D test facilities of Rogers Corporation.

## PORON MEDICAL® URETHANES

- Specifically formulated for use in Medical devices, orthotics and prosthetics
- Compression set resistant – will not bottom out even after repeated impact
- Outstanding energy absorption
- Breathable – unique microcellular open cell structure
- Fungal resistant
- Easily fabricated: skiving, grinding, die cutting with smooth clean surface finish
- Biocompatible – passes analysis for primary skin irritation and dermal sensitization
- Meet USP Class Vi Toxicology, ISO 10993-1 & FDA 695-1
- PVC, Latex & Solvent free.
- Approved by the American Podiatric Association



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## THE DIFFERENCE IS AT THE CELLULAR LEVEL AVAILABILITY

- The unique microcellular open cell structure, uniform cell size, and engineered cell wall properties give PORON® high performance foams remarkable impact absorption properties and life of the device/shoe high performance cushioning.
- This structural uniformity also imparts isotropic mechanical properties assuring constant and reliable performance whether used as a flat bedding or as a skived element.
- Unlike closed cell foams, the cells of PORON® foams will not break down and lose thickness following impact.
- PORON® High Performance foams exhibit higher shock absorption than other elastomeric materials including polyurethanes, neoprenes, latex, polyethylenes and EVAs.
- The open cell structure also provides breathability and water vapour transmission.
- Sanding results in a smooth, even finish with continuity of performance.

Poron Medical® Urethanes are available in a range of grades from Soft to Firm and are engineered for different purposes such as contouring or extreme shock absorption. These high performance foams are also specifically designed to exhibit varying rates of rebound and energy return to meet all patient needs.

Available with buffed finish on one or both sides to assist bonding to covers and components.

Poron Medical® Urethanes are also available prelaminated to a variety of high performance technical fabrics, thermo adhesives and pressure sensitive adhesives.

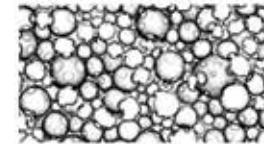


Figure 1: Open cell structure of PORON® Performance material



Figure 2: PORON® Performance material during compression

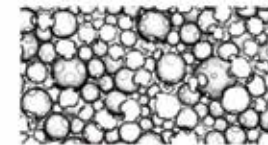


Figure 3: Open cell structure of PORON® Performance material after compression



Figure 4: Closed cell EVA foam



Figure 5: Closed cell EVA foam (with burst cell walls) during compression