



Medical

Sealing, Insulating & Quieting the World

65+ Years of Experience & 22 Locations Worldwide

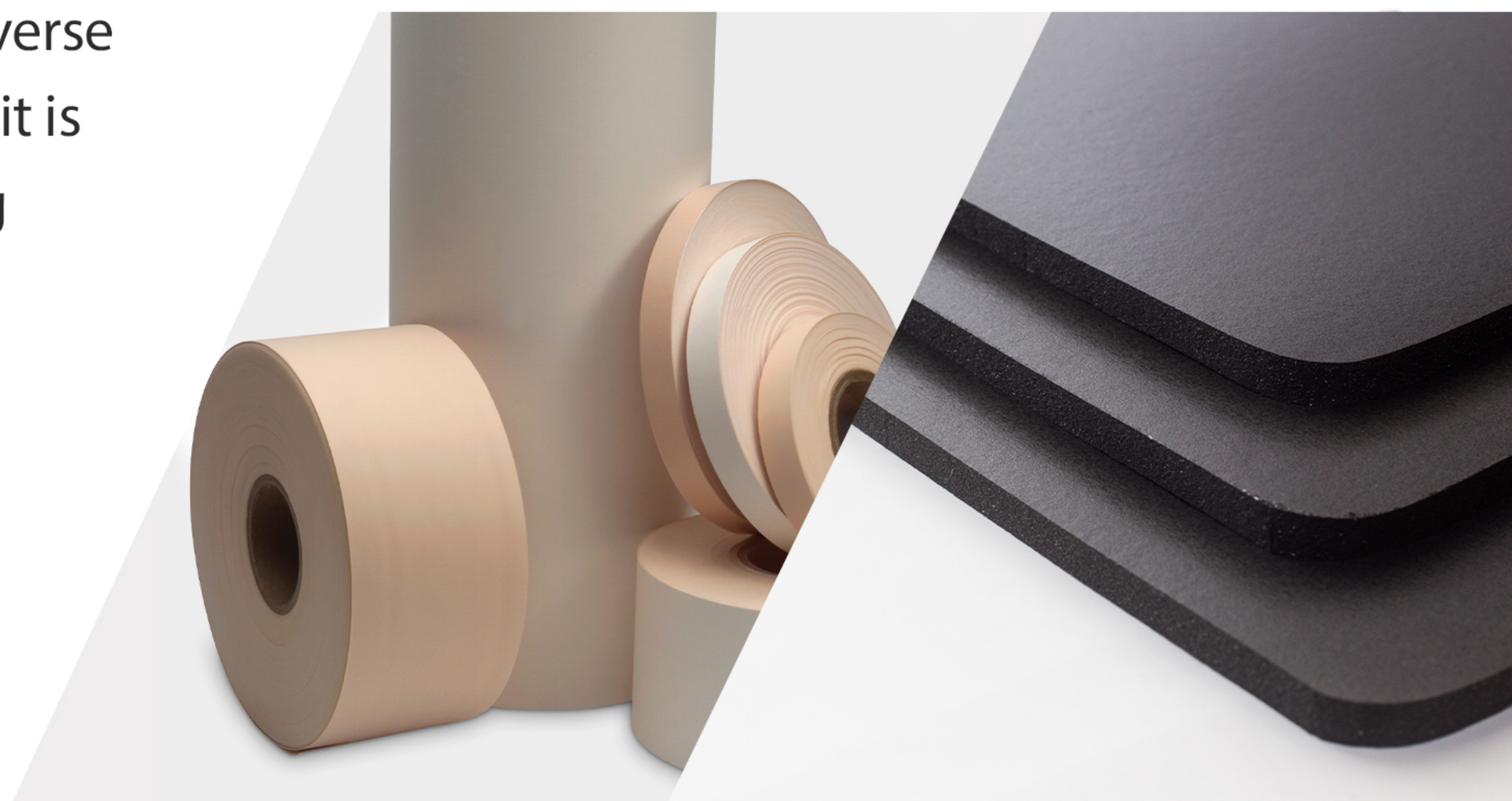
Alabama ▪ Arkansas ▪ Florida ▪ Georgia ▪ Iowa ▪ Indiana ▪ Kansas ▪ Kentucky
Tennessee ▪ Texas ▪ Mexicali ▪ Monterrey ▪ Nuevo Laredo ▪ San Luis Potosi ▪ Nanjing

Applications:

PSC's applications and materials are as diverse as the medical industry's needs. Whether it is medical cushioning or equipment sealing and gasketing, PSC has the solutions manufacturers are searching for.

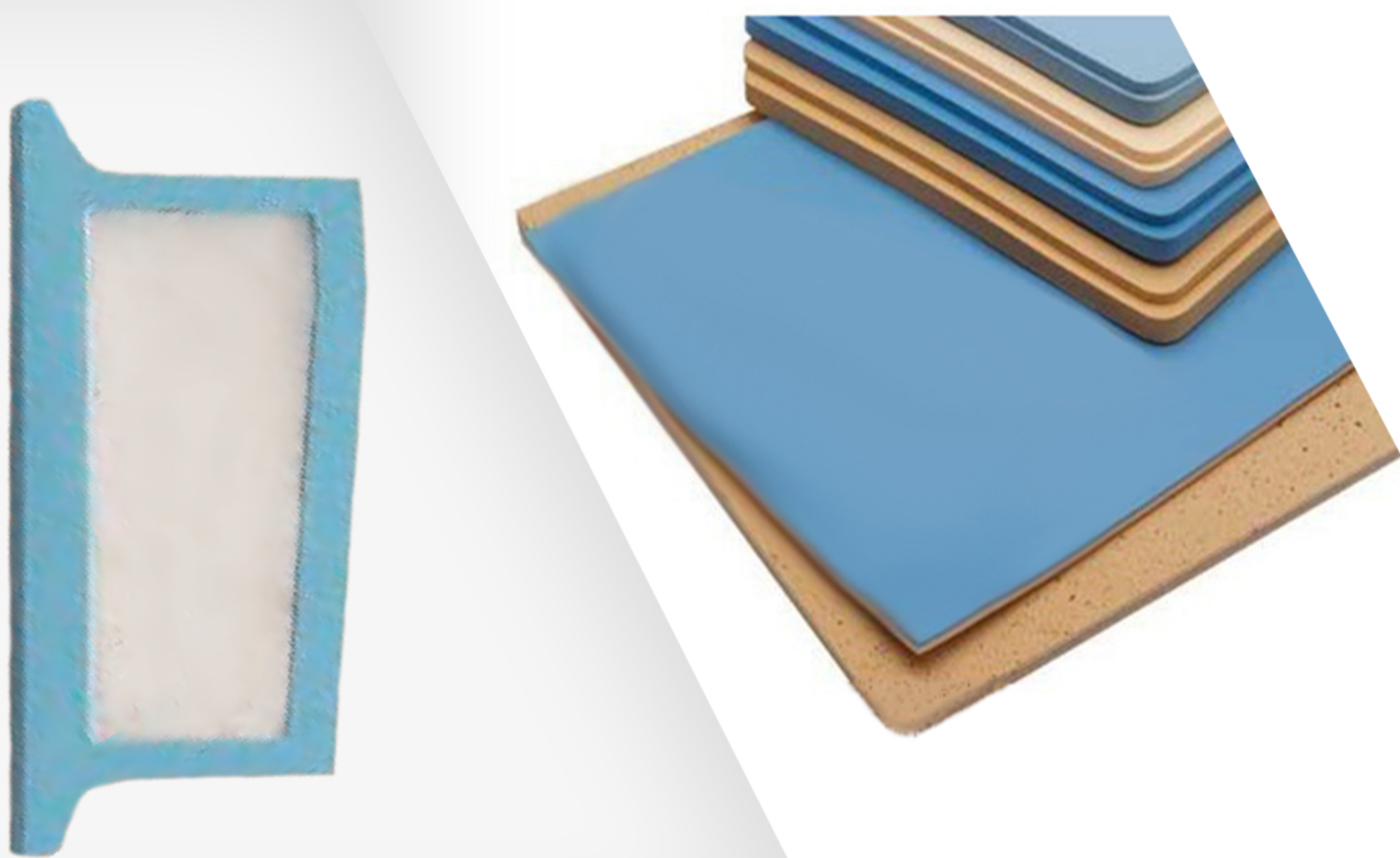
Examples of Applications:

- CPAP
- Face Shields
- Helmet Foam
- Medical Furniture Pads
- Medical Headlamps



Capabilities:

PSC's diverse capabilities allow for fabrication of low, medium, and high-volume parts. These capabilities include rapid prototyping, skiving, laminating, custom die cutting, sewing, molding, laser and water jet cutting, engineering, rotary die cutting, warehousing, JIT shipping, and more!



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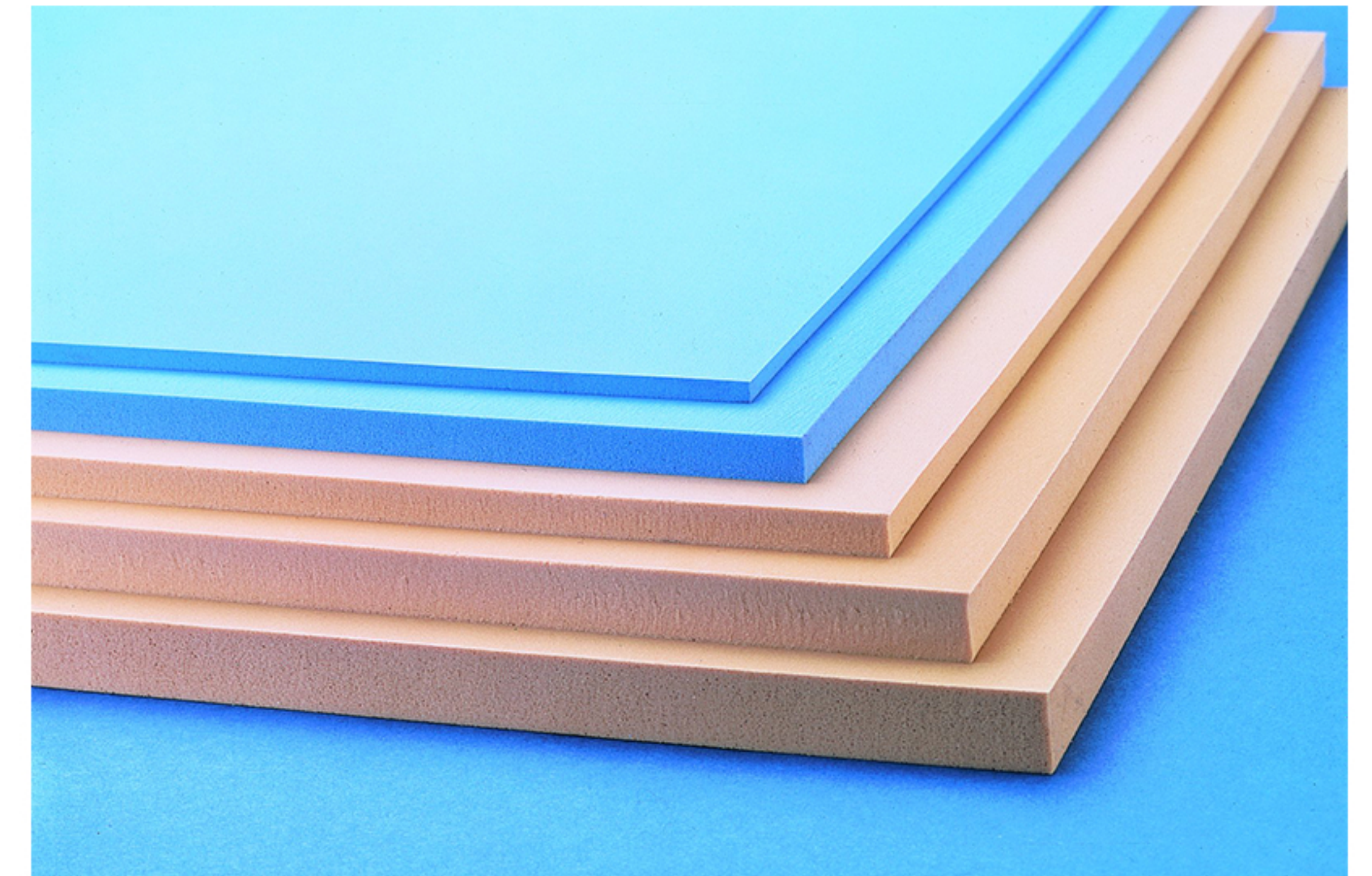
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Polyurethanes

This medical material is a slow recovery polyurethane that contours when in use. This product is available in very soft, soft, firm and very firm. It is breathable, provides long term comfort, and supports stability and balance making it ideal for medical applications.

Features:

- Available thicknesses from .059"–0.5"
- Excellent compression set resistance
- Open-cell microcellular structure
- Resists microbial growth



Cellular Silicone Foam

Cellular silicone foam is extra soft which allows for efficient seals even with low compression. It is ideal for seals and gaskets in medical devices and equipment as it protects components from shock while providing cushioning and vibration isolation. This product maintains excellent performance in extreme high and low temperatures and is chemically and flame resistant.

General Specifications:

- Available thicknesses from 0.063"–1.0"
- Typical density of 12 PCF
- CFD range of 1–5 PSI
- Resistant to UV, ozone, extreme temperatures, flame, heat and vibration



Solid Silicone

Solid silicones offer greater sealing capabilities and are best used for high demand applications. This product line offers materials with specific qualities to fit all design specifications including fire protection, varying densities and transparent silicones.

General Specifications:

- Available thicknesses from 0.010"–0.125"
- Tensile strength of 250–1000 PSI
- Elongation of 175–650%
- Tear resistance of 25–25 PPI

