

PORON® Urethane Foams

Improved PORON® Soft Seal Series

Enhanced Surface Toughness, Reliable Materials for Thinner Designs

With new, improved surface toughness, PORON® Soft Seal series offers even greater peace of mind for flexible sealing and shock absorbing gaskets. Soft Seal Urethanes are now easier to use in assembly, while continuing to provide superior compressibility, conformability, and sealing. When used for display gaskets within handheld electronics, these materials are often paired with a removable adhesive cover liner during processing and assembly. In the past, the delicate nature of PORON Soft Seal required careful selection of removable adhesive cover liners in order to prevent the foam from tearing when the liner is removed. The increased surface strength of the Improved Soft Seal materials addresses this issue.



Increased Surface Toughness, Improved Yields

The newly-enhanced surface toughness of the Soft Seal series allows for improved yields and ease of

processability. Extensive testing performed on both the Standard and Improved Soft Seal materials shows that, even when an aggressive adhesive tape is removed, the amount of foam tear is dramatically decreased when using the Improved Soft Seal material. With the increased surface strength of the Improved Soft Seal, a wide variety of cover liners can be used without compromising the design.

Excellent Compressibility and Conformability

Improved PORON Soft Seal materials maintain the same superior compressibility and conformability properties as before. They provide premium softness and high compressibility, allowing them to fill gaps as small as 0.2 mm while maintaining a low closure force. Soft Seal materials are also able to effectively conform to curves and provide tight seals – making them ideal for ultra thin device applications.

Long Term Protection and Sealing

For sealing applications, a material's ability to resist compression set is critical. Improved PORON Soft Seal offers superior compression set resistance and reliably maintains its shape and seal over the long term, effectively blocking out contaminants and extending product life.

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