

SILICONE FOAM AND
SPONGE WITH
ADHESIVE
BACKING

PORON® CELLULAR URETHANE
WITH ADHESIVE BACKING



SILICONE FOAM AIR FILTER GASKETS

AIRFLOW MANAGEMENT

Airflow management in enclosures, in clean rooms and through HEPA Filters requires gasketing materials that are readily compressed, yet provide a long term positive sealing force – not taking a permanent deformation over time. This property is compression set resistance.

Enclosure Gaskets

Airflow management requirements inside enclosures and clean rooms used by the pharmaceutical and semi-conductor industries call for gaskets that are easily deflected (soft), close off air flow, yet resist taking a permanent compression set. Poron® cellular urethane gaskets, with adhesive backings are available in a wide range of firmness and thicknesses ranging from .012" up to .500". Despite the higher cost of Poron® over traditional closed cell neoprene sponge, we would urge the designer to evaluate the excellent compression set properties of Poron® cellular urethane over certain closed cell sponge products. Stockwell Elastomerics provides adhesive backed gaskets for the enclosure industry in slit-to-width rolls or cut to size.

Cabin Air Filter Gaskets

Air Flow Management gaskets used in HEPA

filter assemblies for aircraft cabin air purification are often made from silicone foam. Silicone foam does not support fungus and meets Federal Aviation Regulations for flame resistance and smoke generation – along with UL94V0. To reduce material costs, we provide adhesive backed gaskets in slit to width rolls or in fold-out configurations. Contact us for samples to demonstrate these cost saving options.

Air Plenum Gaskets

Air plenums and other air diverting assemblies inside enclosures are enhanced by compressible gaskets with long term compression set resistance. Poron® cellular urethane and silicone foam are often selected for these requirements. If there are anticipated moisture concerns, closed cell silicone sponge may be specified.

Stockwell Elastomerics carries a full range of compressible Poron® cellular urethane, silicone foam and closed cell silicone sponge products. Pressure sensitive adhesives are applied on site to ensure the correct combination of properties available for your application.