

PRODUCT DATA SHEET

FLUIDIZING PLATE

www.genpore.com
1-800-654-4391

GenPore[®] produces superior quality Fluidizing Plate in ultra high molecular weight polyethylene (UHMW PE). Also known as Fluid Bed Plate, the product delivers uniform air distribution for diffusing, aerating, and fluidizing materials.



SUPERIOR PERFORMANCE

These highly chemical inert panels utilize a network of omnidirectional 50 micron pores for effective “torturous path” filtration.

GenPore’s[®] Fluidizing Plates offer extreme uniformity in porosity and void volume, so lower operating air pressures are sufficient to obtain optimum performance. White and smooth on both sides, it allows for visual identification of accumulated particles and is easily cleaned.

DIRECT SALES

As a leader in engineered plastics, GenPore[®] offers Fluidizing Plate for direct sale, saving customers on lead time and cost. Contact us to order or to discuss your specific requirements.

EASY TO INSTALL

GenPore’s[®] Fluidizing Plates are easily installed, either side up, with a minimum of effort. The durable UHMW PE is lightweight, but will not shatter and is impact resistant. Modifications can be made with regular metalworking equipment or standard hand tools. The plates can be sealed in place with standard RTV Silicones or the equivalent.

CUSTOM SIZED FOR YOUR APPLICATION

- * No cutting, no waste
- * Thicknesses from 1/4” to 3/4”
- * Overall dimensions to 3’ x 4’; larger sizes weld or with tongue and groove joint
- * Square, rectangular, strip, round, or oval

For more information, contact us at 1-800-654-4391 or sales@genpore.com

The information contained herein is based upon data believed to be thoroughly reliable, but no guarantee or warranty with respect to accuracy or completeness is implied and no liability is assumed. It is the responsibility of the user to verify suitability of the material for their particular use or purpose.

FLUIDIZING PLATE SPECIFICATIONS

Material Type: Ultra High Molecular Weight Polyethylene (UHMW PE)

Color: White

Surface Finish: Smooth, both sides

Pore Size: 50 microns, average

Pore Density: 40-50% of void volume

Hardness: Rigid, shatter proof and impact resistant

Chemical Resistance: Chemically inert to most chemicals and solvents.

Temperature Resistance: Up to 180°F in continuous usage; to 300°F in short term usage

Available Standard Sizes:

Thickness: 1/4", 3/8", 1/2", 5/8", 3/4"

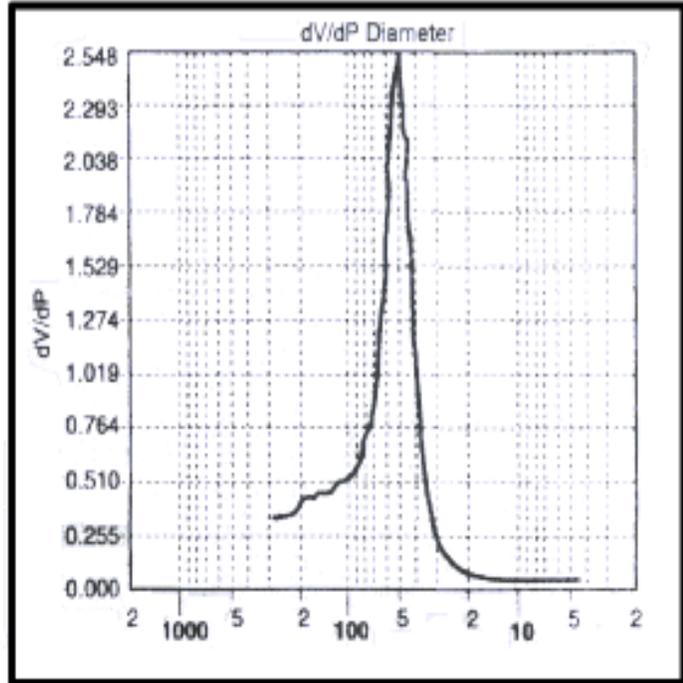
Length/Width: Custom Sized in square, rectangular, strip, round, or oval. Maximum 3'x4' (larger sizes available on request. Welded or seamed with tongue and groove joints)

Applications Include:

- *Fluid bed tanks for powder coating
- *Filter plate
- *Vacuum tables
- *Chemical process tanks

GenPore® also offers engineered plastic products for the following applications:

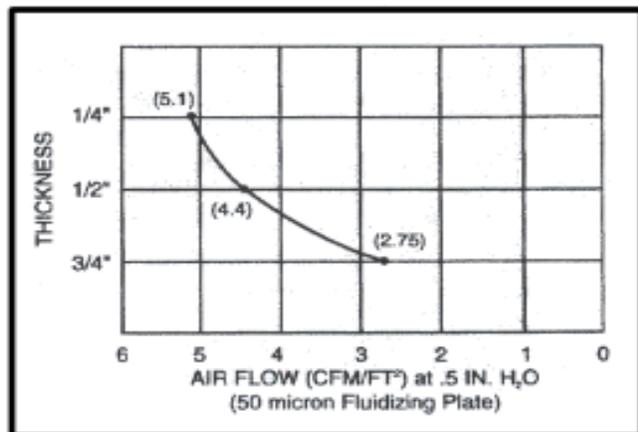
- *Medical
- *Wastewater treatment
- *Fragrance release
- *Lubrication
- *Air and liquid filtration



PORE DIAMETER (\hat{i} m)

X-Axis Scale Unit: (\hat{i} m)

Y-Axis Scale Unit: cc/ (PSIA-g) x 1E-1



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