Applications

Smart Porous Plastics for High End Applications in Biotechnology & Medical Device Industry

Diagnostic Pipette Tips

Microchip for Immunoassays & Microscopy*

Release Systems for Cosmetics & Pharmaceuticals

Development of Customized Applications

Application
Stained & Fluorescent Filters

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*in Collaboration with ChipShop GmbH
Microporous Basic Material

Polyethylene (PE)
Polymethylmethacrylate (PMMA)

Nanoporous Additives

Silica
Polymethylmethacrylate (PMMA)
Porous Glass

Chemical Functionalization of Surface

Amino
Permanent Hydrophilic
Carboxyl
Anion Exchange
Hydroxyl
Cation Exchange
Epoxy

Biological Ligands

Antibodies
Streptavidin
Lectins
Oligosaccharides
Nucleotides

Geometry & Size

Three Dimensional Filter
Membranes & Filter Plates

Standard Dimensions

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Other Dimensions available

Porosity & Internal Surface

Microporous
Pores: 4...100 microns
Porosity: 30...70%
Surface: 0.1...1.0 m²/gram

Micro/Nanoporous
Surface up to 35 m²/gram

Applications

Lateral Flow & 3D-Immunoassays

Sample Extraction & Immunoprecipitation

Monolithic Chromatography