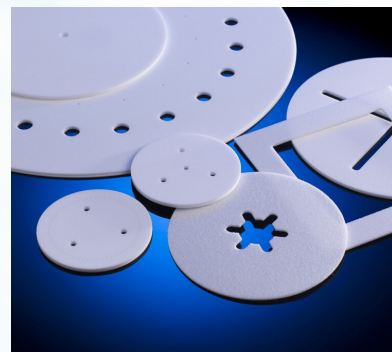


VYON® POROUS PLASTICS

Porous Plastics for Medical and Life Science Applications



Porvair Sciences are global leaders in the manufacturing and development of cutting-edge porous plastics technologies. Specialising in the filtration and separation of materials for biotechnology, pharmaceutical and life science industries, we deliver bespoke design and engineering expertise for a wide range of products and applications. With patents dating back to the 1950's, our porous plastics continue to evolve, adapt and respond to changes in technologies, markets and customer needs.

Medical and analytical markets require reliable, and reproducible materials to bring their products to life. Porvair Sciences has a focus on high quality and technical expertise to support innovative solutions our customers need.

Porvair Sciences is ISO 9001 approved with a focus on clean manufacturing using pure and regulatory approved materials. Vyon® materials can be further gamma irradiated or ETO treated to ensure sterility.

Venting

Filtration

Absorption

Diffusion

Media Support



MEDICAL & HEALTHCARE

- Dialysis Filters
- Suction Canister Filters
- Catheter Vents



LABORATORY

- Pipette Tip Filters
- Lab Water Purification
- Vyon® for Microplates



DRUG DELIVERY

- Sterile Vents and Filters for liquid dispensing
- Vyon® for Nasal Spray, Eye Droppers and Inhaler Devices



CHROMATOGRAPHY

- SPE Frits
- Flash & Process Chromatography Bed Supports
- Dissolution Filters

Vyon® is a registered trademark of Porvair PLC.

While every effort is made to ensure the accuracy of this document, due to continuous product development, the data contained is subject to revision. Porvair Sciences Ltd reserves the right to change, modify or alter its contents.

porvair
sciences

Vyon® Materials

Vyon® sintered porous plastics materials are manufactured to tight tolerances, controlled pore sizes and manufactured using inline air flow testing capabilities. Our Vyon® materials are constantly monitored throughout manufacture to ensure optimum and consistent properties are achieved.

Moulded Vyon®

Vyon® bespoke moulded products are available in pore sizes ranging from 1µm - >100µm

Enhanced Vyon®

Through a range of proprietary techniques, Porvair Sciences offers advanced Vyon® with enhanced performance capabilities

- Oleophobic
- Hydrophilic
- Biological and Chemical Functionalisation
- Ultraclean Treatments
- Lamination

Grade	Material	Typical Mean pore size (µm)	Standard Thickness (mm)
Vyon® M	UHMWPE	7 - 10	1.50, 2.00, 3.20, 4.75, 6.00
Vyon® T	UHMWPE	10 - 18	1.00, 1.50, 2.00, 3.20
Vyon® D	HDPE	15 - 25	3.20, 4.75, 6.00
Vyon® F	HDPE	20 - 40	0.75, 1.00, 1.50, 2.00, 2.50, 3.20, 4.75, 6.00
Vyon® HP	HDPE	80 - 100	2.00, 2.50, 3.20, 4.75, 6.00
Vyon® PPD	PP	15 - 25	3.20, 4.75, 6.00
Vyon® PPF	PP	20 - 40	1.50, 2.00, 2.50, 3.20, 4.75, 6.00
Vyon® PPHP	PP	80 - 100	2.00, 2.50, 3.20, 4.75, 6.00

Vyon® is available with a number of regulatory approvals, including

- FDA and Food Contact Declaration
- European Pharmacopoeia
- USP Class VI
- Manufactured with NO release agents
- No heavy metal Interference

Creating a new product or looking for something better?
Contact us today to discover true product potential with Vyon® porous plastics.

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