



Porvair Technology – a Division of the Porvair Filtration Group Ltd.
Clywedog Road South, Wrexham Ind Est, Wrexham LL13 9XS UK

T : +44 (0)1978 661144
Email : info@porvairfiltration.com

F : +44 (0)1978 664554
www.porvairfiltration.com

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Super-Hydrophobic Porous Polymers for Biosciences



An exciting new development in the range of porous polymeric materials available from Porvair Technology is the surface treatment of Vyon[®] to radically change its' properties.

Naturally hydrophobic, Vyon[®] can be treated by a proprietary process to enhance its' water and oil repellancy by reducing the surface energy of the porous polymer. "This exciting extension to our Vyon[®] range has lots of uses in medical devices, diagnostics, laboratory processes and pharmaceutical production," explains Roy Rigby, Sales Manager, "Examples include sample preparation for chemical analysis, venting of pipette tips, aerosol retention and sample recovery from multiwell plates."

Standard Vyon[®] porous polymer is used in a wide variety of applications including filtration, wicking and venting. Permanently hydrophobic Vyon[®], having been surface-treated to alter its properties, is just one of a family of new i-Vyon[®] materials available from Porvair Technology designed specifically for the bioscience markets.

Porvair Technology is a division of the Porvair Filtration Group, a specialist porous media and filtration company, with expertise in a wide range of media and many years experience in filtration. The Porvair Filtration Group designs and manufactures high performance filters for the most demanding environments in industries including aerospace and defence, chemical process, power generation, oil and gas, pharmaceutical and healthcare, air and water.

For further details please contact Roy Rigby on 01978 661144 or email info@porvairfiltration.com