TEMIZ™ DVB-Hexyl MP

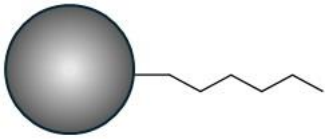
Material overview

TEMIZ DVB-Hexyl MP Resin is a polymeric resin based on highly stable DVB-Styrene backbone with hydrophobic hexyl surface groups. The resin is characterized by its good rigidity and an exceptionally high load of alkane groups. This resin is quite unique in its properties as there are not many comparable resin variants on the market. Temiz DVB-Hexyl MP is based on highly stable cross-linked polystyrene base and is stable over a broad pH range.

Resin properties

Resin matrix	DVB/PS
Large particle size	300 - 1000 µm
Pore size	MP - mesoporous
Functionality	Hexyl
Alkane loading	Ca 3 mmol/g

Smaller particles 75 -175 µm are available upon request



Application areas

TEMIZ DVB-Hexyl for use in separation, batch binding, solid phase extraction or scavenging. The material is unique in its properties.

1) It is an alternative to hydrophobic RP resins based on aromatic polystyrene or based on long aliphatic chains on silica. The well-adjusted hydrophobic balance between aromatic and aliphatic moieties may be advantageous for certain hydrophobic retention binding phenomena.
2) Desorption is possible using organic solvents or supercritical carbon dioxide etc.
3) The presence of both aliphatic and aromatic hydrophobic surface groups presents a good interaction and retention for a broad range of compounds, both hydrophobic and hydrophilic ones.
4) A DVB backbone in combination with surface alkane functional groups is a unique material on the market and offers a novel selectivity for various applications.

Place your order at: order@redstone-sep.com.

Resin	Grams	Product code
Temiz DVB-Hexyl MP	5	10-05-0005
Temiz DVB-Hexyl MP	10	10-05-0010
Temiz DVB-Hexyl MP	25	10-05-0025
Temiz DVB-Hexyl MP	100	10-05-0100

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