

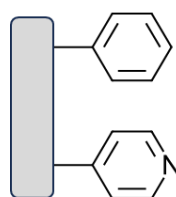
TEMIZ™ Polar RR Pyridine

Material overview

TEMIZ Polar RR Pyridine is a rigid polymeric resin with a combination of hydrophilic and lipophilic properties, but also aromatic pi-pi interactions for use in separation, batch binding or scavenging. The resin chemistry backbone consists of highly stable DVB-Styrene with polar, weakly basic pyridine groups that are also able to act as a weak anion exchanger or chelator. The mesoporous structure is optimal for small and oligomeric molecules.

Resin properties

| | |
|---------------------|--------------------------|
| Resin matrix | DVB/Sty |
| Particle size range | 200 - 1250 μm |
| Functionality | Polar RR Pyridine |
| Capacity, approx | 1.5 mmol/g |
| Pore size | 150 \AA |
| Area | 800 m ² /g |



Application areas

With a new surface chemistry combination, this material offers a new selectivity for retaining organic compounds but is expected to exclude large proteins and other large molecules. Its unique rigid structure retains its porosity and therefore allows effective binding in both aqueous and non-aqueous / organic solutions. Unlike conventional softer resins this resin will retain its porous structure in organic solvents, oils and non-polar solutions.

Weakly basic pyridine group can also act as resin-bound catalyst instead of eg pyridine in solution. Resin bound pyridine can scavenge strong acids, chelate with metals, and other ionic species via reversible ion-exchange mechanisms. The aromatic nature allows π - π interactions with other compounds.

The large particles are optimal for preparative applications. They sediment quickly in suspension-type adsorption processes and pose low back-pressure conditions when packed in large columns.

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

| Resin | Grams | Product code |
|-------------------|-------|--------------|
| Polar RR Pyridine | 1 | 11-04-0001 |
| Polar RR Pyridine | 5 | 11-04-0005 |
| Polar RR Pyridine | 10 | 11-04-0010 |
| Polar RR Pyridine | 25 | 11-04-0025 |
| Polar RR Pyridine | 100 | 11-04-0100 |