



TECHNICAL DATASHEET

P1-B Resin

Advanced PFAS Water Treatment Resin

P1-B is a gel-type strong base anion resin designed for removing PFAS—including PFOA and PFOS—as well as perchlorate, especially in drinking water treatment. Its gel structure and tributylamine functional group provide high selectivity toward these contaminants.

The resin offers high total capacity and strong mechanical stability, delivering good pressure resistance and enabling non-detect PFAS levels even at high linear velocities.

SPECIFICATION AND TYPICAL PROPERTIES*

Matrix Structure	-	Gel Crosslinked polystyrene copolymer
Functional Group	-	Tributylamine
Appearance	-	Spheres
Moisture Content	[%]	45±5
Total Capacity	[Eq/L]	min. 0.6
Bulk Density	[kg/m ³]	700±50
Density	[kg/m ³]	1100±50
Particle Size Distribution	[mm]	0.315-1.25 (≥95%)
Whole beads count	[%]	min. 93

*Specifications and typical properties are listed for informational purposes only and not to be used as purchase specifications.

Safety Advice

- Store resins in sealed containers above 0 °C, in dry conditions, and away from direct sunlight
- Do not mix resins with strong oxidizing agents to avoid dangerous reactions
- If resin contacts the eyes, rinse with plenty of water and seek medical attention
- Dispose of materials in accordance with local regulations
- Dry polymers expand when wetted and may release heat
- Spilled resin beads can be slippery

Disposal

At the end of its service life, the resin should be disposed of in a responsible manner and in accordance with all applicable local regulations and site requirements.