

Porous Polystyrene Particles

DESCRIPTION

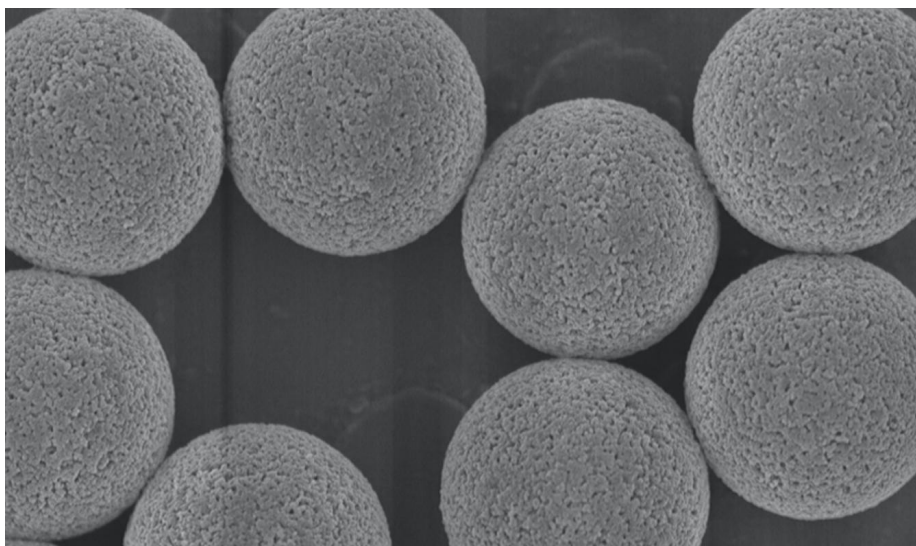
Beijing Biotyscience Co. Ltd provides high-quality polystyrene microspheres of different sizes. PS microsphere products have ideal microspherical appearance, no other impurities, small differences between batches, and good repeatability.

Polystyrene microspheres not only have the characteristics of general polymer microspheres such as good sphericity, large specific surface area and controllable particle size of microspheres, but also have unique properties such as high rigidity, insolubility by general solvents, and non-biodegradation. , has become a research hotspot in the field of polymers.

Porous polymer microspheres are a new class of functional materials of polymer spherical particles with porous structure and large specific surface area. Such microspheres have the characteristics of easy surface modification and adjustable pore size. In addition, polymeric porous microspheres have advantages in porous structure, high cross-linking degree, and stable mechanical properties. The porous structure leads to a large specific surface area and a much smaller osmotic pressure, and a high degree of crosslinking can make it have stable mechanical properties, which are widely used in chromatographic column packing, catalyst carrier, biological analysis and ion exchange resin, etc field.

PRODUCT INFORMATION

Type	PS microspheres
Diameter	3 um - 100 um
Buffer	Supplied in DI Water.
Size	1 g
Storage	Stored at 4 °C. Do not freeze. Protect from light.

**Advantages**

Excellent hydrophobicity and non-biodegradability;

Not dissolved or swollen by common solvents, which is beneficial to application and recovery;

Excellent binding ability for some substances such as proteins, dyes, and affinity ligands;

Large specific surface area, strong adsorption, easy centrifugal separation, suitable as a fixed carrier for some substances;

Good particle size controllability, high surface reaction activity and high adsorption efficiency.

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Large specific surface area, low osmotic pressure, and stable mechanical properties.

Applications

High performance liquid
Chromatography
Adsorption
Catalyst carrier
Biomedicine
Conjugate Development
Cell labeling
Protein separation
Drug carrier
Separation column packing
Cell separation
Cell culture

Storage

Store product away from direct sunlight at 2-8° C.
Do NOT freeze.
When stored as specified the product is stable for at least six months.

Notes

Please use PS microspheres after fully stirring and ultrasonic dispersion.
Store at room temperature/4 degree and avoid light, avoid drying into blocks and avoid freezing and thawing.

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The working temperature should not exceed 100° C to prevent the polystyrene microspheres from melting, deforming or sticking together.

Contact Us

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