

General Research Particles



Available in various diameters to suit different research needs

Ensured stability for extended research use

Customizable for specific applications (including surface modification and fluorescent functionalization)

Traceability can be provided on specific demand

36 months stability at room temperature

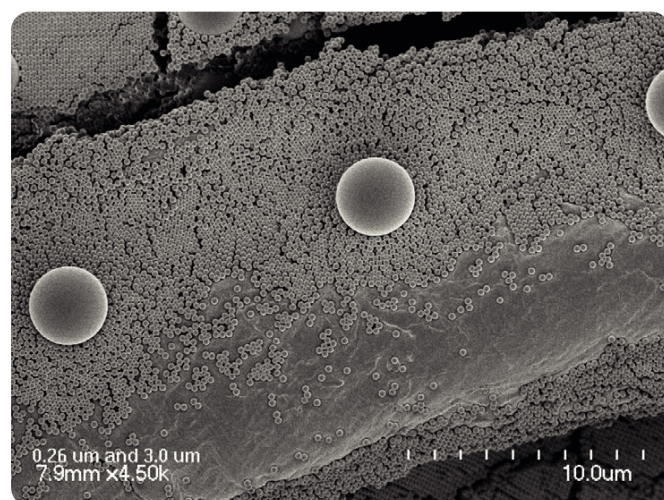


Highly concentrated suspensions (10% w/w) in various container sizes or in powder form (on demand) provide full flexibility

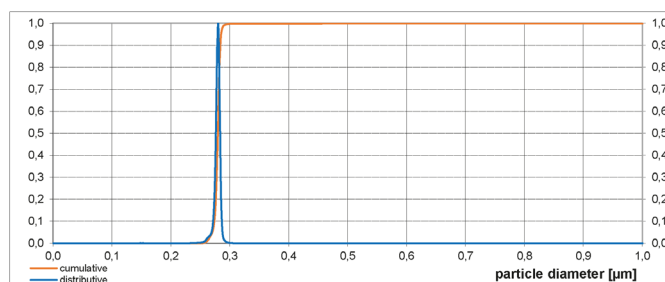
Our 60000 series is the Swiss army knife of polymer microspheres for scientific applications and can be used, if:

- You need high quality polymer particles for your experiment.
- You need larger amounts of particles as a highly concentrated suspension or in powder form.
- You need reliability of long-term particle supply in highest quality demands for your technical application.

The 60000 Series consists of highly concentrated suspensions (10% w/w) that are not traceable to Si units and typically do not have "rounded" nominal values. These products are primarily used in techniques where large quantities of high precision material are required but size traceability is not essential. The most common application is filter testing, particularly for evaluation of exclusion and loading limits. The diameter is accurately determined and the size distribution is monomodal and narrow ($\leq 5\%$). Shelf life is 36 months from date of manufacture and products can be stored at room temperature.) They are typically supplied in 15 mL or 100 mL volumes, but can be supplied in powder form on request.



Nominal diameter:	0,280 μm
Mean diameter:	0,281 μm
Relative standard deviation (CV):	$\leq 5\%$
Particle solids content:	10,0 % (by gravimetric analysis)

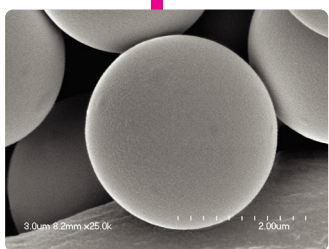
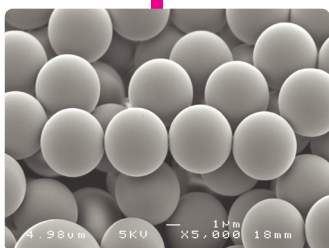


Typical narrow and monomodal particle size distribution of General Research Particles.

Versatile Polymer Microspheres for Scientific Applications

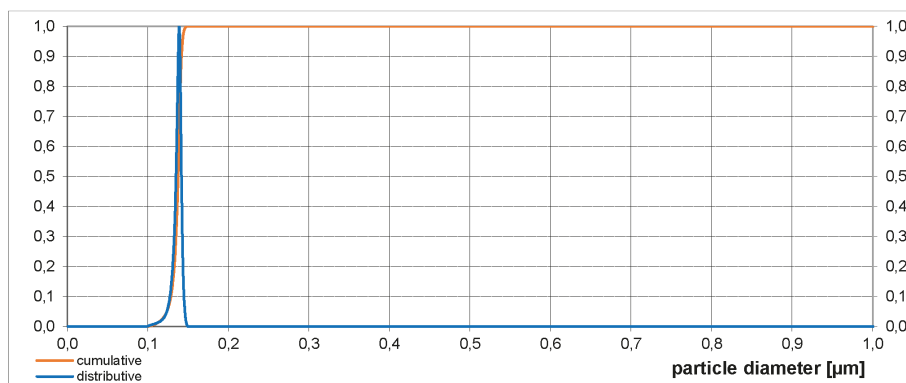
At Applied Microspheres, we provide high quality General Research Particles designed for a wide range of scientific and industrial applications. These polymer microspheres offer precise size distribution, high purity and exceptional stability, making them ideal for research in materials science, diagnostics, biotechnology, environmental studies and analytical instrument development. The most common application is (HEPA) filter testing, particularly for evaluation of exclusion and loading limits. There are many other applications where General Purpose Particles are a perfect fit. These applications can be as diverse as sedimentation and centrifugation based experiments or their use as defined spacers in manufacturing processes.

Available in a range of diameters from less than 0.1 μm to more than 100 μm , our microspheres are available in both aqueous suspension and dry powder form, providing flexibility for different experimental setups. Researchers can request the incorporation of various features, such as surface modifications and fluorescent labeling options, to meet their specific needs. The long shelf life and carefully controlled manufacturing process ensure reliable and reproducible results in any application.



From biomedical studies and assay development to instrument calibration and materials engineering, General Research Particles are a reliable solution for professionals seeking accuracy and consistency. Whether you need functionalized surfaces, customized particle concentrations, or specialty formulations, Applied Microspheres is your partner in advancing scientific discovery.

Nominal diameter:	0,140 μm
Mean diameter:	0,142 μm
Relative standard deviation (CV):	$\leq 5 \%$
Particle solids content:	10,0 % (by gravimetric analysis)



Narrow particle size distribution at 140 nm of General Research Particles suitable for applications including HEPA filter loading capacity and exclusion limit testing.