

Monodisperse PMMA Spheres

Poly(methyl methacrylate) spheres synthesized with exceptionally narrow size distributions.

Monodisperse PMMA Spheres in a variety of sizes, including SEM average diameters of:

- 0.33 micrometers
- 0.34 micrometers
- 0.36 micrometers
- 0.46 micrometers
- 0.52 micrometers
- 0.74 micrometers
- 1.3 micrometers
- 1.5 micrometers
- 2.0 micrometers
- 5.8 micrometers

Select the desired sizes and quantities during the checkout process.

Samples have a typical polydispersity in diameter of 5% or better, as determined by scanning electron microscopy and holographic particle characterization. Particles are prepared by dispersion polymerization in hydrocarbon media utilizing custom-synthesized comb-graft dispersants containing poly(12-hydroxystearic acid) groups. The covalently surface-linked stabilizer moiety is essential for fundamental studies.

Samples are shipped as a dry powder, ready for re-dispersion in a variety of nonpolar (low dielectric constant) fluids, e.g., dodecane, decahydronaphthalene, isoparaffinic liquids, etc.

References

1. M. T. Elsesser and A. D. Hollingsworth(2010) , <https://pubmed.ncbi.nlm.nih.gov/21053983/>

Category

Express Licenses
Engineering & Physical
Sciences/Materials
Colloid Synthesis Facility
Arundithi Ananthanarayanan

Authors

David Grier, PhD
Andrew Hollingsworth, PhD

Learn more

