

Precision Spheres in a Range of Materials

Huntingdon ... 8 April 2014 ... Goodfellow, an international supplier of metals, ceramics, polymers and other materials for research and industry, offers researchers and engineers an extremely wide selection of precision spheres in a range of materials.

Precision spheres are available in diameters from 0.15mm to 20mm from stock, and up to 150mm as a special order. Tolerances range from +/-0.5 to +/-10 microns, and sphericity from 0.075 to 2.500 microns. Most precision spheres supplied by Goodfellow are AFBMA Grade 25; however, the company can generally supply AFBMA Grade 3 up to Grade 200 and can often meet custom requests. Goodfellow also offers precision spheres with drilled holes for mounting on a spigot, and with a spigot, if required.



Precision spheres from Goodfellow

Matte surface finishes are offered on a range of precision spheres; this is particularly useful in applications where a reflective surface might cause problems, such as laser measurement.

Applications include flow control, gauging and measuring standards, down hole oil drilling, bearings, fibre optics and lasers, lenses, electrical conductors, polishing media, integrated circuits, instrumentation, small engine parts and inspection tools.

Materials include:

Ceramic – alumina, ruby, sapphire, silicon nitride, zirconia and others

Glass – black glass, borosilicate glass, crystal glass, optical glass, quartz glass, soda lime glass and others

Metal – aluminium, brass, copper, gold, nickel, niobium, silicon, silver, stainless steel, tantalum, titanium, tungsten

Polymer – acrylic PMMA, FKM, HDPE, LDPE, polyamide nylon 6-6, POMC, POMH, PP, PTFE

For more information about precision spheres from Goodfellow, call +44 1480 424 800 or email info@goodfellow.com.

Goodfellow is a leading supplier of metals, polymers, ceramics and other materials to meet the needs of science and industry worldwide. The company specialises in supplying small quantities (a few grammes to a few kilos) of metals and materials for research, prototype development and specialised manufacturing applications. Standard products can be found online at the comprehensive Goodfellow Catalogue (www.goodfellow.com). In addition, Goodfellow is often able to supply larger quantities of metals and materials or items manufactured to specific requirements.

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