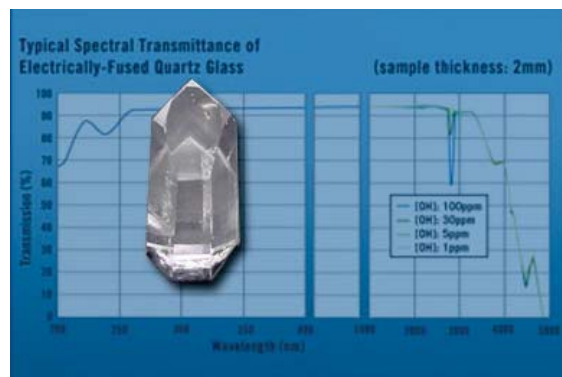


Wilmad Precision NMR Quartz Tubes

Wilmad Precision NMR Quartz Tubes have an extremely low thermal expansion rate and high tensile strength which is 14 times more robust during the cooling/heating process than Type 1 Class A glass tubes.

- Naturally occurring quartz maintains an over 85% transmission rate (10 mm thickness, with consideration of reflection loss) above 265nm that makes quartz tubes preferable in photochemistry studies
- Half the dielectric constant of Pyrex® glass helps improve the quality factor
- Low Boron density at or below 0.1 ppm guarantees a clean background in Boron-11 NMR studies
- Tight I.D. and O.D. tolerance as small as 0.0065mm accommodates Wilmad inserts
- To maximize SNR, Precision NMR Quartz Tubes have minimal paramagnetic impurities that would impact shimming
- Manufactured in a state-of-the-art ISO 9001:2015 USA facility using a unique precision shrinking and grinding process to shape the inner surface with maximized filling factor
- Ideal for variable temperature experiments that have a temperature step over 120°C as well as experiments at temperatures up to 1300°C
- Inner surface is resistant to strong acid and base at ambient temperature
- 100% inspection with multiple NIST traceable gauges and optical surface defect checks
- Includes disposable cap



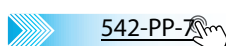
Note: Caps are not recommended for use with samples dissolved in chloroform-d or acetone-d₆.

Wilmad 5mm O.D. Thin Walled Quartz NMR Tubes

Catalog No.	MHz Rating	Length	O.D.	Concentricity	Camber	I.D.	Wall Thickness
535-PP-7QTZ	600	7"	4.936±0.0065mm	13 µm	6 µm	4.2065±0.0065mm	0.38mm
535-PP-8QTZ	600	8"	4.936±0.0065mm	13 µm	6 µm	4.2065±0.0065mm	0.38mm
535-PP-9QTZ	600	9"	4.936±0.0065mm	13 µm	6 µm	4.2065±0.0065mm	0.38mm
528-PP-7QTZ	500	7"	4.936±0.0065mm	25 µm	13 µm	4.2065±0.0065mm	0.38mm
528-PP-8QTZ	500	8"	4.936±0.0065mm	25 µm	13 µm	4.2065±0.0065mm	0.38mm
528-PP-9QTZ	500	9"	4.936±0.0065mm	25 µm	13 µm	4.2065±0.0065mm	0.38mm
507-PP-7QTZ	300	7"	4.936±0.0065mm	51 µm	25 µm	4.2065±0.0065mm	0.38mm
507-PP-8QTZ	300	8"	4.936±0.0065mm	51 µm	25 µm	4.2065±0.0065mm	0.38mm
507-PP-9QTZ	300	9"	4.936±0.0065mm	51 µm	25 µm	4.2065±0.0065mm	0.38mm

Wilmad 10mm O.D. Thin Walled Quartz NMR Tubes

Catalog No.	MHz Rating	Length	O.D.	Concentricity	Camber	I.D.	Wall Thickness
513-7PP-7QTZ	400	7"	9.9935±0.0065mm	38 µm	13 µm	9.070±0.013mm	0.46mm
513-7PP-8QTZ	400	8"	9.9935±0.0065mm	38 µm	13 µm	9.070±0.013mm	0.46mm
513-7PP-9QTZ	400	9"	9.9935±0.0065mm	38 µm	13 µm	9.070±0.013mm	0.46mm



542-PP-7

Click on any Catalog No. to **Shop Now**