



## 11-BM Capillary & Tubing Stock

### Vendor Codes

CP = Cole Parmer, ML = MicroLumen  
HR = Hampton Research, CS = Charles Supper,  
St G = St Gobain, FD = Friedrich & Dimmock

### Kapton (polyimide): Temp range -273 to +400 °C (0 – 673 K)

vendor	notes	OD (mm)	ID (mm)	wall (mm)	Wire #	OD (in)	ID (in)	wall (in)
CP		0.36	0.31	0.03	--	0.0142	0.0122	0.0010
CP	purple base	0.69	0.64	0.03	78-79	0.0270	0.0250	0.0010
ML	std mail-in (red)	0.86	0.81	0.03	68	0.0340	0.0320	0.0010
ML	big mail-in (blue)	1.17	0.89	0.14	--	0.0462	0.0350	0.0056
CP	green base	1.10	1.00	0.05	61	0.0435	0.0395	0.0020
ML	ID->BM	1.21	1.13	0.04	--	0.0478	0.0446	0.0016
CP	1/8" pins (teal)	1.37	1.27	0.05	56	0.0540	0.0500	0.0020
CP	black base	1.56	1.46	0.05	54	0.0615	0.0575	0.0020
CP	orange base	1.90	1.80	0.05	50	0.0750	0.0710	0.002

### Borosilicate glass (GS): Temp range up to 500 °C (0 – 773 K)

### Fused quartz (QZ): Temp range up to 900 °C (0 – 1073 K)

OBE = Open Both Ends SOE = Sealed One End

vendor	notes	OD (mm)	ID (mm)	wall (mm)	OD (in)	ID (in)	wall (in)
CS/HR	GS + QZ SOE	0.1	0.28	0.01	0.0118	0.0110	0.0004
CS/HR	GS + QZ SOE	0.2	0.28	0.01	0.0118	0.0110	0.0004
CS/HR	GS + QZ SOE	0.3	0.28	0.01	0.0118	0.0110	0.0004
CS/HR	GS + QZ SOE	0.4	0.28	0.01	0.0118	0.0110	0.0004
CS/HR	GS + QZ SOE	0.5	0.48	0.01	0.0197	0.0189	0.0004
CS/HR	GS SOE	0.7	0.68	0.01	0.0276	0.0268	0.0004
CS/HR	GS SOE	1.0	0.98	0.01	0.0394	0.0386	0.0004
CS/HR	GS SOE	1.5	0.98	0.01	0.0394	0.0386	0.0004
CS/HR	GS SOE	2.0	0.98	0.01	0.0394	0.0386	0.0004
FD	QZ OBE	0.7	0.6	0.05	0.0276	0.0236	0.0020
FD	QZ OBE	1.0	0.9	0.05	0.0394	0.0354	0.0020

### Sapphire: Temp range > 900 °C

vendor	notes	OD (mm)	ID (mm)	wall (mm)	OD (in)	ID (in)	wall (in)
St G	special request	0.89	0.58	0.15	0.035	0.023	0.006

### Magnetic Bases

notes	Base color	ID (mm)	(in)
0.6 mm tube	purple	0.70	0.028
Standard Mail-In	red	0.89	0.035
Large Mail-In	blue	1.22	0.048
1.0 mm tube	green	1.13	0.045
1.5 mm tube	black	1.60	0.063
1.8 mm tube	orange	1.92	0.076

### Ferrules (Supltex)

notes	ID (mm)	ID (in)
TC wire	0.40	0.016
for 0.7 mm cap.	0.80	0.031
for 1.0 mm cap.	1.20	0.047