

# Material Thickness Availability & Tolerance Chart

## NON-METALLICS

<p><b>ACETAL (DELRIN®)</b></p> <p>.010 +/- .003 .015 +/- .002 .020 +/- .003 .025 +/- .003 .031 +/- .003 .040 +/- .003 .050 +/- .004 .062 +/- .004 .093 +/- .005 .125 +/- .005</p> <hr/> <p><b>FIBERGLASS (G7, G9, G10, G11)</b></p> <p>.010 +/- .0020 .015 +/- .0030 .020 +/- .0040 .025 +/- .0050 .031 +/- .0065 .047 +/- .0075 .062 +/- .0075 .091 +/- .0090 .125 +/- .0120</p> <hr/> <p><b>FIBRE</b></p> <p>.010 +/- .0010 .012 +/- .0012 .015 +/- .0015 .020 +/- .0020 .025 +/- .0025 .032 +/- .0032 .040 +/- .0040 .045 +/- .0045 .050 +/- .0050 .062 +/- .0062 .070 +/- .0070 .080 +/- .0080 .093 +/- .0093 .125 +/- .0150</p>	<p><b>KAPTON</b></p> <p>.001 +/- .0002 .002 +/- .0003 .003 +/- .0003 .005 +/- .0005</p> <hr/> <p><b>PCTFE</b></p> <p>.016 +/- .003 .031 +/- .004 .040 +/- .004 .062 +/- .013</p> <hr/> <p><b>MICA</b></p> <p>.002 +/- .001 .003 +/- .001 .004 +/- .001 .005 +/- .001 .006 +/- .002 .007 +/- .002 .008 +/- .002 .009 +/- .002 .010 +/- .002 .015 +/- .003</p> <hr/> <p><b>MYLAR</b></p> <p>.001 +/- .0001 .002 +/- .0002 .003 +/- .0003 .004 +/- .0004 .005 +/- .0005 .007 +/- .0007 .010 +/- .0010 .014 +/- .0014</p> <hr/> <p><b>NEOPRENE</b></p> <p>.016 +/- .010 .020 +/- .010 .031 +/- .012 .047 +/- .012 .062 +/- .012 .093 +/- .016 .125 +/- .020</p>	<p><b>NYLON* &amp; NYLATRON</b></p> <p>.010 + .003/- .000 .015 +/- .003 .016 +/- .004 .020 +/- .003 .025 +/- .003 .031 +/- .003 .040 +/- .003 .050 +/- .005 .062 +/- .005 .070 +/- .005 .080 +/- .005 .093 +/- .005 .125 +/- .005</p> <hr/> <p><b>PHENOLIC</b></p> <p>.015 +/- .0035 .020 +/- .0040 .025 +/- .0045 .031 +/- .0050 .047 +/- .0055 .062 +/- .0060 .094 +/- .0070 .125 +/- .0080</p> <hr/> <p><b>POLYTHYLENE (HIGH DENSITY)</b></p> <p>.010 +/- .003 .015 +/- .002 .020 +/- .002 .025 +/- .003 .030 +/- .004 .040 +/- .003 .050 +/- .004 .063 +/- .004 .093 +/- .005 .125 +/- .005</p>	<p><b>PVC</b></p> <p>.005 +/- .001 .007 +/- .001 .010 +/- .001 .015 +/- .002 .020 +/- .002 .030 +/- .003 .040 +/- .004 .062 +/- .009 .080 +/- .008 .093 +/- .009 .100 +/- .010 .125 +/- .013</p> <hr/> <p><b>SANTOPRENE</b></p> <p>.015 +/- .008 .030 +/- .008 .045 +/- .008 .062 +/- .008 .093 +/- .008 .125 +/- .008</p> <hr/> <p><b>TEFLON</b></p> <p>.002 +/- .0005 .003 +/- .0010 .004 +/- .0010 .005 +/- .0010 .010 +/- .0015 .015 +/- .0020 .020 +/- .0025 .025 +/- .0030 .031 +/- .0040 .040 +/- .0045 .045 +/- .0050 .050 +/- .0050 .062 +/- .0050 .070 +/- .0060 .076 +/- .0060 .080 +/- .0060 .093 +/- .0060 .100 +/- .0070 .125 +/- .0070</p>
--	---	---	---

*\*Nylon may shrink or expand due to temperature and humidity*

*Sheet and Bar Stock*

**SEASTROM Manufacturing Co., Inc.**  
456 Seastrom Street • Twin Falls, Idaho 83301  
[www.Seastrom-Mfg.com](http://www.Seastrom-Mfg.com)

**1-800-634-2356**  
Fax (208)734-7222  
Email: [info@seastrom-mfg.com](mailto:info@seastrom-mfg.com)

# Material Thickness Availability & Tolerance Chart

## METALLICS

### STAINLESS STEEL

.001 +/- .0001  
.002 +/- .0002  
.003 +/- .0003  
.004 +/- .0004  
.005 +/- .0005  
.006 +/- .0006  
.007 +/- .0007  
.008 +/- .0008  
.010 +/- .0010  
.012 +/- .0020  
.015 +/- .0020  
.020 +/- .0025  
.024 +/- .0025  
.025 +/- .0025  
.030 +/- .0030  
.035 +/- .0030  
.040 +/- .0035  
.048 +/- .0035  
.060 +/- .0035  
.063 +/- .0035  
.075 +/- .0050  
.090 +/- .0050  
\*.100 +/- .004  
\*.105 +/- .005  
\*.120 +/- .005  
\*.125 +/- .005  
\*.135 +/- .005

---

### TITANIUM

.016 +/- .0020  
.020 +/- .0030  
.032 +/- .0040  
.063 +/- .0060  
.080 +/- .0070

### SPRING STEEL

.003 +/- .0008  
.005 +/- .0008  
.006 +/- .0008  
.008 +/- .0008  
.010 +/- .0010  
.012 +/- .0010  
.015 +/- .0012  
.018 +/- .0012  
.020 +/- .0015  
.025 +/- .0015  
.028 +/- .0015  
.032 +/- .0020  
.035 +/- .0020  
.040 +/- .0024  
.050 +/- .0024  
.062 +/- .0024  
.083 +/- .0028  
.093 +/- .0028  
.109 +/- .0028  
.125 +/- .0032

---

### ALUMINUM ALLOYS

.010 +/- .0020  
.016 +/- .0025  
.020 +/- .0025  
.025 +/- .0025  
.032 +/- .0025  
.040 +/- .0035  
.050 +/- .0035  
.063 +/- .0035  
.071 +/- .0030  
.080 +/- .0045  
.090 +/- .0035  
.100 +/- .0045  
.125 +/- .0055

### STEEL (C.R.S.)

.001 +/- .0001  
.002 +/- .0002  
.003 +/- .0003  
.005 +/- .0005  
.006 +/- .0006  
.007 +/- .0007  
.010 +/- .0010  
.012 +/- .0012  
.015 +/- .0020  
.018 +/- .0020  
.020 +/- .0030  
.024 +/- .0030  
.025 +/- .0030  
.030 +/- .0030  
.032 +/- .0030  
.036 +/- .0030  
.042 +/- .0040  
.048 +/- .0040  
.060 +/- .0050  
.075 +/- .0050  
.090 +/- .0050  
.105 +/- .0060  
.120 +/- .0060  
.135 +/- .0060

---

### COPPER

.010 +/- .0008  
.016 +/- .0010  
.018 +/- .0013  
.021 +/- .0013  
.025 +/- .0015  
.032 +/- .0020  
.043 +/- .0020  
.048 +/- .0020  
.051 +/- .0025  
.064 +/- .0025  
.080 +/- .0030  
.094 +/- .0030  
.125 +/- .0030

### BRASS

.002 +/- .0006  
.003 +/- .0006  
.004 +/- .0006  
.005 +/- .0008  
.007 +/- .0010  
.008 +/- .0010  
.010 +/- .0013  
.012 +/- .0013  
.016 +/- .0025  
.018 +/- .0030  
.020 +/- .0030  
.025 +/- .0030  
.032 +/- .0035  
.040 +/- .0040  
.050 +/- .0040  
.063 +/- .0050  
.080 +/- .0060  
.090 +/- .0060  
.125 +/- .0060

---

### BERYLCO

.002 +/- .0004  
.003 +/- .0004  
.004 +/- .0004  
.005 +/- .0006  
.006 +/- .0006  
.007 +/- .0008  
.008 +/- .0008  
.010 +/- .0010  
.0126 +/- .001  
.016 +/- .0013  
.018 +/- .0015  
.020 +/- .0015  
.022 +/- .0020  
.025 +/- .0020  
.028 +/- .0025  
.032 +/- .0025  
.040 +/- .0030  
.050 +/- .0030  
.062 +/- .0035

*Sheet and Bar Stock*

**SEASTROM Manufacturing Co., Inc.**  
456 Seastrom Street • Twin Falls, Idaho 83301  
[www.Seastrom-Mfg.com](http://www.Seastrom-Mfg.com)

**1-800-634-2356**

**Fax (208)734-7222**

**Email: [info@seastrom-mfg.com](mailto:info@seastrom-mfg.com)**