

Standard Tolerance Chart

The following tolerance information is for reference purposes only and is intended to provide an indication of the types of tolerances which can be achieved with a molded part.

This chart does not represent a guarantee of the tolerances which can be achieved in all cases. In many instances, specific part geometry will affect the precision of the tolerances which can be achieved like assembly position.

Please contact Plastopia if you need a tolerance assessment conducted for a specific product.

Dimension		Fixed Dimension Tolerance		Closure Dimension Tolerance	
(in)	(mm)	(in)	(mm)	(in)	(mm)
.001 - .250	.0254 - 6.350	±.004	±.102	±.005	±.127
.251 - .500	6.375 - 12.700	±.004	±.102	±.005	±.127
.501 - .625	12.725 - 15.875	±.005	±.127	±.006	±.152
.626 - .750	15.900 - 19.050	±.006	±.152	±.008	±.203
.751 - 1.000	19.075 - 25.400	±.006	±.152	±.008	±.203
1.001 - 1.500	25.425 - 38.100	±.008	±.203	±.010	±.254
1.501 - 2.000	38.125 - 50.800	±.010	±.254	±.013	±.330
2.001 - 2.500	50.825 - 63.500	±.010	±.254	±.013	±.330
2.501 - 3.000	63.525 - 76.200	±.014	±.355	±.015	±.381
3.001 - 3.500	76.225 - 88.900	±.017	±.432	±.018	±.457
3.501 - 4.000	88.925 - 101.600	±.020	±.508	±.020	±.508
4.001 - 5.000	101.625 - 127.000	±.025	±.635	±.025	±.635
5.001 - 7.000	127.025 - 177.800	±.035	±.890	±.035	±.890
7.001 - 8.000	177.825 - 203.200	±.040	±1.016	±.040	±1.016
8.001 - 9.000	203.225 - 228.600	±.045	±1.143	±.045	±1.143
9.001 - 10.000	228.625 - 254.000	±.050	±1.270	±.050	±1.270

Dimension		Fixed Dimension Tolerance		Closure Dimension Tolerance	
10.001 - 11.000	254.025 - 279.400	±.055	±1.397	±.055	±1.397
11.001 - 13.000	279.425 - 330.200	±.065	±1.651	±.065	±1.651
13.001 - 14.000	330.225 - 355.600	±.075	±1.905	±.075	±1.905
14.001 - 15.000	355.625 - 381.000	±.090	±2.286	±.090	±2.286