HITEK Electronic Materials Limited General Tolerances

The following tables provide general tolerances for non-mechanical parts produce by HITEK. It is important to note that all flat die-cut, moulded and extruded gaskets are subject to a free-state variation in the unrestrained condition. The use of inspection fixtures to verify conformance of finished parts is common and recommended where appropriate. Also note that "Overall Dimensions" for flat die-cut gaskets and moulded gaskets includes any feature-to-feature dimensions (e.g. edge-to-edge, edge-to-hole, hole-to-hole). Edge to Hole minimum distance will be 1.5 x material thickness.

Flat Die-Cut Gaskets

Overall Dimensions

</=254	±0.25
>254 to 381	±0.51
>381	±0.2% Nominal Dim.

Thickness

0.51	±0.1
0.81	±0.13
1.14	±0.15
1.57	±0.18
2.36	±0.25
3.18	±0.25
>3.18	Contact HITEK

Hole Diameters
>1.52 dia. if sheet thickness is;

</=1.57	±0.13
>1.57	±0.2

Moulded Gaskets

Overall Dimensions

2.54 to 38.1	±0.25
38.13 to 63.5	±0.38
63.53 to 114.3	±0.51
114.33 to 177.8	±0.64
>177.8	±0.35% Nominal Dim.

Cross Section

1.02 to 1.75	±0.08
1.78 to 2.54	±0.11
2.57 to 5.08	±0.13
5.11 to 8.89	±0.2

Flash Tolerance
0.13 Max. Thickness
0.2 Max. Extension

Extruded Strip Gaskets

Cut Length

<25.4	±0.25
25.4 to 762	±1.58
>762	±0.2% Nominal Dim.

Cross Section

<5.08	±0.13
5.08 to 8.86	±0.2
8.89 to 12.7	±0.25
>12.7	±0.3% Nominal Dim.

Water Jet cutting is available on all flat sheet materials.

Water Jet Cutting

Overall Dimensions

</=381	±0.15
>381	±0.25

The following tables provide general tolerances for **Radar Absorbent Materials (RAM).**
All thicknesses of RAM are nominal and performance dependent. Please refer to manufactures technical data.

RAM panels/gaskets/pads;

Overall Volume Dimensions		Hole Diameters		Angular
</=305	±1.25	>3.17 dia. if sheet thickness is;		±3˚
>305-610	±1.50	</=19.00 nominal	±0.25	
>610	±2.50	19.00-60.00 nominal	±0.50	
		60.00-120.00 nominal	±1.00	

Other materials supplied attract specific tolerances. E.g. Neoprene, Rubber, Dispensed Gaskets, Formex/Statex etc. Please refer to appropriate data sheets. All Dimensions are in mm

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