

25.4mm      19.1mm      12.7mm      9.5mm      6.4mm      3.2mm 1.6mm  
 Density

lb/ft<sup>3</sup> kg/m<sup>3</sup> lb/ft<sup>3</sup> kg/m<sup>3</sup> lb/ft<sup>3</sup> kg/m<sup>3</sup> lb/ft<sup>3</sup> kg/m<sup>3</sup> lb/ft<sup>3</sup> kg/m<sup>3</sup> lb/ft<sup>3</sup> kg/m<sup>3</sup> lb/ft<sup>3</sup> kg/m<sup>3</sup>

3000 Alloy Series

0.9    14.4    1.3    20.8    1.8    28.8    2.4    38.4    3.4    54.5    8.1    129.7  
 1.3    20.8    1.8    28.8    2.6    41.6    3.7    59.3    5.2    83.3    10.0\*    160.0\*

5000 Alloy Series

0.6    9.6    0.8    12.8    1.1    17.6    1.6    25.3    2.3    36.8    4.5    72.1  
 1.3    20.8    1.8    28.8    2.6    41.6    3.7    59.3    5.2    83.3    10.0\*    160.2\*

	Cell Size	Foil thickness	25.4mm		19.1mm		12.7mm		9.5mm		6.4mm		3.2mm	
	Inches		lb/ft <sup>3</sup>	kg/m <sup>3</sup>	lb/ft <sup>3</sup>	kg/m <sup>3</sup>	lb/ft <sup>3</sup>	kg/m <sup>3</sup>	lb/ft <sup>3</sup>	kg/m <sup>3</sup>	lb/ft <sup>3</sup>	kg/m <sup>3</sup>	lb/ft <sup>3</sup>	kg/m <sup>3</sup>
3000	Density	0.05 mm	0.9	14.4	1.3	20.8	1.8	28.8	2.4	38.4	3.4	54.5	8.1	129.7
Alloy Series		0.07 mm	1.3	20.8	1.8	28.8	2.6	41.6	3.7	59.3	5.2	83.3	10.0*	160.0*
5000		0.05 mm	0.6	9.6	0.8	12.8	1.1	17.6	1.6	25.3	2.3	36.8	4.5	72.1
Alloy Series		0.07 mm	1.3	20.8	1.8	28.8	2.6	41.6	3.7	59.3	5.2	83.3	10.0*	160.2*



## 5052 Aluminium Alloy

Cell Size  Inches	Nominal  Density lb/ft <sup>3</sup>	Compressive		Crush Strength  psi	Plate Shear			
		Bare	Stabilised		L Direction		W Direction	
		Strength psi			Strength psi	Modulus ksi	Strength psi	Modulus ksi
1/8 (3.2mm)  0.05 mm	4.5 (72.1 kg/m <sup>3</sup> )	539	559	255	340	70	220	31
1/8 (3.2mm)  0.07 mm	10.0 (160.2 kg/m <sup>3</sup> )*	2058	2205	1029	980	175	550	65
1/4 (6.4mm)  0.05 mm	2.3 (36.8 kg/m <sup>3</sup> )	186	206	74	140	32	85	16
1/4 (6.4mm)  0.07 mm	5.2 (83.3 kg/m <sup>3</sup> )	676	745	328	410	82	265	35
3/8 (9.5mm)  0.05 mm	1.6 (25.6 kg/m <sup>3</sup> )	88	93	39	85	21	50	11
3/8 (9.5mm)  0.07 mm	3.7 (59.3kg/m <sup>3</sup> )	362	402	176	250	55	160	26

The above is an indication of the properties of Corex Honeycomb aluminium core. Please note that the above values are not guaranteed and should be used as an indication only.

Variations in the above mentioned figures may occur without notice. \*Sizes available on request.