



# Ulike 5052 Honeycomb Core – Mechanical Characteristics (Typical Values - US units)

Density	Cell Size	Foil Thickness	Stabilized Compressive Strength		Crush Strength	Shear Strength				Shear Modulus	
			psi			psi		psi		ksi	
lbs/ft <sup>3</sup>	inch	inch	75°F	350°F	75°F	L		W		L	W
						75°F	350°F	75°F	350°F	75°F	75°F
3.1	1/8	.0007	305	200	145	215	145	132	90	32	16
4.5	1/8	.0010	580	380	270	345	240	225	150	51	25
6.1	1/8	.0015	1030	660	450	565	400	345	220	77	37
8.1	1/8	.0020	1575	1075	760	810	575	540	310	112	50
10.0	1/8	.0025	1875	1300	1070	1075	810	610	415	140	60
12.0	1/8	.0030	2920	1550	1400	1955	1300	950	440	160	75
2.6	5/32	.0007	245	150	105	170	110	102	80	24	12
3.8	5/32	.0010	415	280	210	275	200	168	140	41	20
2.0	3/16	.0007	180	100	70	122	80	71	65	17	9
3.1	3/16	.0010	340	200	145	215	145	128	90	32	16
4.4	3/16	.0015	555	375	270	335	235	205	130	50	24
5.7	3/16	.0020	870	600	410	465	380	285	180	70	34
6.9	3/16	.0025	1185	780	570	600	500	350	210	91	42
8.1	3/16	.0030	1735	1075	760	735	575	450	300	112	50
2.3	1/4	.0010	215	125	85	145	90	88	70	21	11
3.4	1/4	.0015	375	235	160	235	160	105	70	35	18
4.3	1/4	.0020	545	365	250	325	235	205	130	48	24
5.2	1/4	.0025	770	500	330	415	330	270	160	62	31
6.0	1/4	.0030	1110	650	430	535	390	350	210	75	36
7.9	1/4	.0040	1505	1025	720	710	550	450	300	108	49
1.6	3/8	.0010	98	70	50	88	60	51	35	13	6
2.3	3/8	.0015	205	125	85	145	90	88	70	21	11
3.0	3/8	.0020	315	190	135	205	140	128	85	30	15
3.7	3/8	.0025	415	265	200	255	190	165	105	40	20
4.2	3/8	.0030	565	340	240	315	230	205	130	47	23
5.4	3/8	.0040	810	540	360	435	355	285	180	66	32
6.5	3/8	.0050	1015	750	510	555	440	360	265	83	40
4.0	1/2	.0040	400	320	220	290	220	170	120	44	22