



CHANGZHOU JLON COMPOSITE MATERIAL CO.,LTD

Technical Data of Honeycomb panels

板材厚度 Panel thickness	压缩强度 Compressive strength	压缩模量 Compressive modulus	剪切强度 Shearing strength	弯曲刚度 Bending stiffness (N.mm ²)	弯曲载荷 Bending load	侧压强度 Edgewise compressive strength	滚筒剥离载荷 Strip load of roller	落锤冲击中值破坏能量 Impact strength	裸板克重 (Kgs/m ²)	单面常规油漆克重 (Kgs/m ²)	单面镜面油漆亮光或亚光克重 (Kgs/m ²)
测试标准 Test standard	ASTM C365		ASTM C273	GB/T1456-2005		GB/T1454-2005	GB/T1456-2005	GB/T14153-1993(锤头直径20mm, Spherical head Φ 20, weight 8.21kgs)	Nature	Standard painted weight one side	Smooth gloss white(or matte white) painted one side
12mm panel	1.81(MPa)	41.59(MPa)	0.47(MPa)	3.2*10 ⁷	1081N	-----	209(N.mm)/mm	22J	3.36	-----	-----
12mm panel (120Kg/m ³)	2.45(MPa)	42.2(MPa)	0.67(MPa)	3.3*10 ⁷	1153N	-----	207(N.mm)/mm	23J	4.1	-----	-----
15mm panel	1.72(MPa)	40.29(MPa)	0.49(MPa)	3.8*10 ⁷	1235N	2.15(MPa)	216(N.mm)/mm	21J	3.6	3.8	4.3
15mm panel (100Kg/m ³)	2.15(MPa)	41.3(MPa)	0.56(MPa)	4.2*10 ⁷	1260N	-----	213(N.mm)/mm	22J	4.2	4.4	4.9
17mm panel (100Kg/m ³)	2.15(MPa)	41.5(MPa)	0.58(MPa)	4.2*10 ⁷	1346N	-----	215(N.mm)/mm	22J	4.4	4.6	5.1
20mm panel	1.75(MPa)	40.50(MPa)	0.53(MPa)	7.9*10 ⁷	1623N	2.23(MPa)	230(N.mm)/mm	23J	4.0	4.2	4.7
25mm panel	1.79(MPa)	43.38(MPa)	0.44(MPa)	1.3*10 ⁸	1882N	----	220(N.mm)/mm	22.8J	4.4	4.6	5.1
30mm panel	1.83(MPa)	54.15(MPa)	0.47(MPa)	2.3*10 ⁸	2209N	----	225(N.mm)/mm	24.1J	4.8	5.0	5.5
30mm panel (120Kg/m ³)	2.5(MPa)	46.9(MPa)	0.69(MPa)	2.9*10 ⁸	2253N	-----	216(N.mm)/mm	24.6J	6.3	6.5	7.0
35mm panel	1.77(MPa)	45.36(MPa)	0.52(MPa)	4.1*10 ⁸	----	----	225(N.mm)/mm	22.9J	5.2	5.4	5.9
40mm panel	1.82(MPa)	46.33(MPa)	0.57(MPa)	6.9*10 ⁸	----	----	201(N.mm)/mm	23.7J	5.6	5.8	6.3