



常州隽隆复合材料有限公司

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Technical Data Sheet

PVC Foam Core

Item	Standard	Unit	Result Type	45	50	60	80	100	130	200	250	300
Density	ISO 845	kg/m3	Average Value	45	50	60	80	100	130	200	250	300
Density	ISO 845	kg/m3	Range	40-50	45-55	54-69	72-90	90-110	120-150	180-220	225-275	270-330
Compressive Strength	ISO 844:2006	MPa	Average Value	0.68	0.78	1.03	1.5	2.2	3.2	5.5	6.8	8.4
Compressive Strength	ISO 844:2006	MPa	Minimum Value	0.56	0.69	0.85	1.25	1.8	2.8	4.8	5.8	7.3
Compressive Modulus	ISO 844:2006	MPa	Average Value	48	63	90.8	119	180	220	300	370	460
Compressive Modulus	ISO 844:2006	MPa	Minimum Value	36	50	75	103	150	180	270	343	390
Shear Strength	ISO 1922:2012	MPa	Average Value	0.55	0.7	0.76	1.1	1.5	2.1	2.75	4.19	4.91
Shear Strength	ISO 1922:2012	MPa	Minimum Value	0.47	0.6	0.7	0.9	1.35	1.9	2.6	3.52	4.32
Shear Modulus	ISO 1922:2012	MPa	Average Value	16	20	23.1	31.5	40	55	85	98	129
Shear Modulus	ISO 1922:2012	MPa	Minimum Value	14	16	20	26	33	45	68	86	108
Tensile Strength	ASTM C297	MPa	Average Value	0.96	1.36	1.88	2.4	3.5	4.5	5.5	7.68	9.65
Tensile Strength	ASTM C297	MPa	Minimum Value	0.83	1.02	1.7	2.1	3	3.5	4.9	6.24	8.87
Tensile Modulus	ASTM C297	MPa	Average Value	72	79	96.2	125	180	210	300	342	408
Tensile Modulus	ASTM C297	MPa	Minimum Value	63	70	87	105	160	180	250	304	356