

Data sheets Insulation Board GOST 4194-88

Property	Thickness range	Grade A	Grade B
Density, g/cm ³	1,0-1,5 mm. 2,0-3,0 mm. 4,0-6,0 mm.	0,90 – 1,00	0,95-1,15 1,00-1,15 1,00-1,18
Tensile strength MD1, MPa	1,0-6,0 mm.	60	80
Tensile strength CMD2, MPa	1,0-6,0 mm.	40	50
Shrinkage MD, %	1,0-6,0 mm.	0,7	0,8
Shrinkage CMD, %	1,0-6,0 mm.	1,0	1,1
Shrinkage in thickness, %	1,0-6,0 mm.	5,0	5,0
Humidity, %	1,0-1,6mm 1,6-6,0mm	7,9 7,5	7,9 7,5
Mass fraction of ash, %	1,0-6,0 mm.	0,7	0,7
Specific electrical conductivity of water extract, max.: at module 1: 50, mS/ m	1,0-6,0 mm.	4,5	4,5
Oil absorbency, %	1,0-6,0 mm.	25	15
Compressibility, %	1,0-6,0 mm.	12,0	12,0
Test voltage, kV 31	1,0 mm. 1,5 mm. 2,0 mm. 2,5 mm. 3,0 mm. 4,0 mm. 5,0 mm. 6,0 mm.	- - 40 - 50 - - -	43 53 61 66 76 84 90
Resistance to surface discharges (not less than), min.	1,0-6,0mm.	10 - 20	10 - 14