

AK200 Thermal Pad Material Data Sheet

Mechanical Properties	Unit	Value	Test Standard
Flexural strength	MPa	115	ISO 178:2001
Compressive strength	MPa	109	ISO 826
E-modulus	MPa	4100	ISO 527-1
Elongation at break	%	>20	ISO 527-1
Compressive modulus	MPa	3000	ISO 604:2002
Charpy Impact Strength	KJ/m2	-	ISO 180:2000

Physical Properties

Density	g/cm3	1.15	ISO 1183
Water Absorption (24h 23oC)	%	0.95 (max)	ISO 1606
Moisture absorption (saturation)	%	7	ISO 62:1999

Electrical Properties

Dielectric strength	kV/mm	25	IEC 60243-1
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Thermal Properties

Operating temperature	°C	-40 +160	
Coefficient of linear thermal expansion	°C-1	8x10-5	ISO 11359-2
Thermal conductivity	W/m. K	0.184	ISO 12667
Flame retardance	°C	HB	IEC 60695-11-10

Thicknesses Available

Width 1,000mm x Length 2,000mm	mm	6	
Width 1,220mm x Length 2,000mm	mm	10, 12, 16, 20 & 25	