

PVC COMPOUNDS – INSULATION

Properties	Type as Per IS:5831					Application	Hardness	Specific Gravity	Thermal Stability @ 200°C	Volume Resistivity @ 27°C	Tensile Strength	Elongation	% Change After Ageing			Mass Loss	Processing Conditions
	A	B	C	ST1	ST2								Conditions	TS	EL		
Test Method							DIN 5305	ASTMD792		ASTMD257	IS:10810	IS:10810	IS:10810			IS:10810	
Units							Shore A		Minutes	x10 ¹³ Ohm. Cm	Kg/cm ²	%	°C, Days	%	%	mg/cm ²	°C
INSULATION																	
KN-20						Insulation upto 3.3KV	88	1.43	85	10.0	200	220	80, 7	±20	±20	1><2	160-185
KN-20 B						Insulation upto 3.3KV	90	1.46	100	10.0	180	175	80, 7	±20	±20	1><2	160-185
KN-85						Insulation & General Purpose Sheathing	88	1.48	80	5.0	180	200	80, 7	±20	±20	1><2	160-195
KN-85B						Insulation upto 1.1KV	87	1.47	100	5.0	210	180	80, 7	±20	±20	1><2	160-185
KN-5A						Insulation upto 3.3 KV, Low Gravity	85	1.37	85	10.0	200	250	80, 7	±20	±20	1><2	150-180
KN-5B						Insulation upto 3.3 KV, Low Gravity	85	1.37	130	10.0	210	280	100, 7	±20	±20	1><2	150-180
KV-1002						Insulation & General Purpose Sheathing	86	1.46	80	10.0	175	200	80, 7	±20	±20	1><2	150-180
KV-1002-2						Insulation upto 3.3KV	85	1.44	100	10.0	175	200	100, 7	±20	±20	1><2	150-180
KV-1008						Insulation, Soft	80	1.46	100	5.0	160	220	80, 7	±20	±20	1><2	145-175
KV-2004						High Speed Insulation upto 800 ft/min	90	1.33	150	10.0	160	200	100, 7	±20	±20	1><2	160-185
KV-2001-E						Insulation, Railway Signaling	92	1.37	121	50.0	200	190	100, 7	±20	±20	1><2	160-190
KN-1HR						Insulation-Type C-85°C, HR	92	1.39	160	10.0	200	200	100, 7	±20	±20	1><2	160-190
KV-3001A-E						Insulation, 105°C, HR	95	1.37	130	50.0	170	250	135, 7	±10	±10	0><1	165-190
KN-105HR						Insulation, 105°C, HR	91	1.38	120	10.0	150	190	135, 7	±20	±20	1><2	160-185
LEAD FREE INSULATION																	
KV-1004-NL1						Non-Lead Insulation, Hard	91	1.41	90	10.0	180	250	100, 7	±20	±20	1><2	160-185
KV-1005-NL1						Non-Lead Insulation, Semi-rigid	87	1.39	100	10.0	170	280	100, 7	±20	±20	1><2	160-185
KV-2006B-NL1						Non-Lead Insulation, HR	90	1.39	120	10.0	150	200	100, 7	±20	±20	1><2	160-185
KV-3001A-E-NL1						Non-Lead Insulation, 105°C	95	1.35	120	10.0	170	250	135, 7	±10	±10	1><2	165-190



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