

ANUKAMPA POLYMERS & TECHNOLOGIES PRIVATE LIMITED

TYPE 'B' & TYPE 'C' INSULATION GRADES

S.NO	PARTICULARS	UNITS	TEST METHOD	SPECIED VALUES AS PER IS 5831-84	TYPICAL VALUES		
					ANU222	ANU1290	ANU1270
	GRADES						
1	Before Ageing						
1.1	Tensile Strength(Min)	N/mm2	IS 10810 (part-7)84	12.5	20	20	19.5
1.2	Elongation(Min)	%	IS 10810 (part-7)84	150	300	300	300
2	After ageing at 1000c&1350c/7 days						
2.1	Tensile Strength	N/mm2	IS 10810 (part-11)84	12.5			
2.2	Variation in Tensile Strength	%	IS 10810 (part-11)84	+/- 25	+/- 20	+/- 20	+/- 20
2.3	Elongation	%	IS 10810 (part-11)84	150			
2.4	Variation in Elongation	%	IS 10810 (part-11)84	+/- 25	+/- 25	+/- 25	+/- 25
3	Thermal Stability@2000c	Minutes	IS 10810 (part-60)88	80	210	280	200
4	Volume Resistivity @ 270c(Min)	Ohm-cm	IS 10810 (part-43)84	1x10 ¹³	40x10 ¹³	60x10 ¹³	10x10 ¹³
5	Volume Resistivity @850c(Min)	Ohm-cm	IS 10810 (part-43)84	1X10 ¹⁰	10X10 ¹⁰	10X10 ¹⁰	5x10 ¹⁰
6	Loss of Mass 800C@ 7days	Mg /cm ²	IS 10810 (part-10)84	2max	1max	1max	1max
7	Specific Gravity	NO	APT	-	1.39	1.4	1.39
8	Hardness	Shore-A	APT	-	93	94	91
9	Colour Fastness to Water	NO	IS 5831-1984 Appendix-A	NO traces of color	--	--	--
10	Cold bend Test at-150c/2to3hr	NO	IS 10810 (part-20)84	No cracks	No cracks	No cracks	No cracks
11	Shrinkage Test 1500c/15 mins	%	IS 10810 (part-12)84	4max	1.8	1.8	2
12	Heat Shock Test 1500c/1hr	NO	IS 10810 (part-14)84	No signs of cracks	No cracks	No cracks	No cracks
13	Remarks						