ANUKAMPA POLYMERS & TECHNOLOGIES PRIVATE LIMITED

TYPE 'A' INSULATION GRADES

S.NO	PARTICULARS	UNITS	TEST METHOD	SPECIED VALUES AS PER IS 5831-84	TYPICAL VALUES				
	GRADES				TN387	ANU801	ANU805	ANU1240	ANU1278
1	Before Ageing								
1.1	Tensile Strength(Min)	N/mm2	IS 10810 (part-7)84	12.5	18	19	19	17.5	16.5
1.2	Elongation(Min)	%	IS 10810 (part-7)84	150	310	300	300	310	320
2	After ageing at 800c/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	+/- 20	+/- 15	+/- 15	+/- 15	+/- 15	+/- 15
2.3	Elongation	%	IS 10810 (part-11)84	150					
2.4	Variation in Elongation	%	IS 10810 (part-11)84	+/- 20	+/- 20	+/- 20	+/- 20	+/- 20	+/- 20
3	Thermal Stability@2000c	Minutes	IS 10810 (part-60)88	80	95	88	105	80	85
4	Volume Resistivity @ 270c	Ohm-cm	IS 10810 (part-43)84	1x1013	9x1013	8x1013	8x1013	6x1013	5x1013
5	Volume Resistivity @ 700c	Ohm-cm	IS 10810 (part-43)84	1X1010	7X1010	6X1010	7X1010	5X1010	4X1010
6	Loss of Mass 800C@ 7days	Mg /cm2	IS 10810 (part-10)84	2max	1	1	1	2	2
7	Specific Gravity	NO	APT	-	1.46	1.45	1.45	1.49	1.39
8	Hardness	Shore-A	APT	-	87	88	90	89	89
9	Colour Fastness to Water	NO	IS 5831-1984	NO traces of color	--	--	--	--	--
			Appendix-A						
10	Cold bend Test at-150c/2to3hr	NO	IS 10810 (part-20)84	No cracks	No cracks	No cracks	No cracks	No cracks	No cracks
11	Shrinkage Test 1500c/15 mints	%	IS 10810 (part-12)84	4max	2	2.4	2	2.6	2
12	Heat Shock Test 1500c/1hr	NO	IS 10810 (part-14)84	No signs of cracks	No cracks	No cracks	No cracks	No cracks	No cracks
13	Remarks								