

ANUKAMPA POLYMERS & TECHNOLOGIES PRIVATE LIMITED

ST2 SHEATHING GRADES

S.NO	PARTICULARS	UNITS	TEST METHOD	SPECIED VALUES AS PER IS 5831-84	TYPICAL VALUES			
					TN 157	TN 172	TN 411 D	ANU603
GRADES								
1	Before Ageing							
1.1	Tensile Strength	N/mm2	IS 10810 (part-7)84	12.5	14	14.5	16	18
1.2	Elongation	%	IS 10810 (part-7)84	150	400	355	345	300
2	After ageing at 1000c/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	+/- 25	+/- 25	+/- 25	+/- 25
2.3	Elongation	%	IS 10810 (part-11)84	150				
2.4	Variation in Elongation	%	IS 10810 (part-11)84	+/- 25	+/- 25	+/- 25	+/- 25	+/- 25
3	Thermal Stability@2000c	Minutes	IS 10810 (part-60)88	80	90	85	100	120
4	Volume Resistivity @ 270c	Ohm-cm	IS 10810 (part-43)84	NA	--	--	--	--
5	Volume Resistivity @ 700c	Ohm-cm	IS 10810 (part-43)84	NA	--	--	--	--
6	Loss of Mass 1000c/ 7days	Mg /cm2	IS 10810 (part-10)84	2max	2	1.18	2	2
7	Specific Gravity	NO	APT	-	1.37	1.36	1.43	1.36
8	Hardness	Shore-A	APT	-	74	80	86	85
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	No cracks
11	Shrinkage Test 1500c/15 mins	%	IS 10810 (part-12)84	4max	2.6	1.8	2	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
13	Remarks							