ANUKAMPA POLYMERS & TECHNOLOGIES PRIVATE LIMITED

FRLS & FR COMPOUND GRADES

S.NO	PARTICULARS	UNITS	TEST METHOD	FR ST1	FR		FRLS ST2	FRLS		General FR	General FRLS
	GRADES				ANU2001	ANU2002		ANU2000	ANU2005	ANU2003	ANU2010
1	Before Ageing										
1.1	Tensile Strength	N/mm^2	IS 10810 (part-7)84	12.5	14.5	14	12.5	13.5	14	15	12.2
1.2	Elongation	%	IS 10810 (part-7)84	150	230	250	150	200	230	240	190
2	After ageing			800c/7 days			1000c/7 days				
2.1	Tensile Strength	N/mm^2	IS 10810 (part-11)84	12.5			12.5				
2.2	Variation in Tensile Strength	%	IS 10810 (part-11)84	+/- 20	+/- 20	+/- 20	+/- 25	+/- 25	+/- 25		
2.3	Elongation	%	IS 10810 (part-11)84	150			150				
2.4	Variation in Elongation	%	IS 10810 (part-11)84	+/- 20	+/- 20	+/- 20	+/- 25	+/- 25	+/- 25		
3	Thermal Stability@2000c	Minutes	IS 10810 (part-60)88	40	75	45	80	110	160	36	165
4	Volume Resistivity @ 270c	Ohm-cm	IS 10810 (part-43)84	NA	5x1013	5x1013	NA	8x1013	6x1013	6.5x1013	5x1013
5	Volume Resistivity @ 700c	Ohm-cm	IS 10810 (part-43)84	NA	--	--	NA	--	--		
6	Loss of Mass 800C@ 7days	Mg/cm^2	IS 10810 (part-10)84	2max	1.35	1.55	2max	1.48	1.4		
7	Specific Gravity	NO	APT	-	1.56	1.49	-	1.54	1.49	1.53	1.48
8	Hardness	Shore-A	APT	-	94	86	-	93	91	94	91
9	Cold bend Test	NO	IS 10810 (part-20)84	No cracks	No cracks	No cracks	No cracks	No cracks	No cracks	No cracks	No cracks
10	Shrinkage Test 1500c/15 mints	%	IS 10810 (part-12)84	4max	2	2	4max	2	1.8	2.4	2.8
11	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	No cracks
	Other tests										
12	Oxygen index (Min)	%	ASTM D 2863-91	29 (Min)	32	32.4		33	34	32.6	--
13	Smoke density	%	ASTM D2843-77	60(Max)	--	--		52	49	--	--
14	Acid Gas Generation	%	754-1 IEC 1982	20(Max)	--	--		16.4	--	--	--
15	Temperature Index	0C	ASTM D 2863-91	250(Min)	--	--		470	--	--	--
16	Remarks										