

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 | | | | | | | |