

QUALITY ASSURANCE PLAN - MANUFACTURING & TESTING OF CONVEYOR BELT

| Sl. No | Component / Operation | Charecterstics | Class | Type of Check | Quantum of check | | Reference document | Acceptance Norms | Format of Record | | Inspection Agency | | | Remarks |
|--------|----------------------------|---|----------|---------------|----------------------------|-------------------------|-------------------------|-------------------|------------------|---|-------------------|---|---|---------|
| | | | | | M | C / O | | | | D | M | C | A | |
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | D | 10 | | | 11 |
| 1.2 | Properties of Cover Rubber | Tensile Strength before & after ageing | Critical | Measure | as per BIS 1891 | BIS 1891 | BIS 1891 & Tech. Spec. | Inspection Report | Y | P | --- | W | | |
| | | Elongation at break before & after ageing | Critical | Measure | | | | | Y | P | --- | W | | |
| | | Drum Friction test (top & bottom cover) | Critical | Measure | | | | | Y | P | --- | W | | |
| | | Flame Resistivity test | Critical | Measure | ISO - 340 | ISO - 340 | ISO - 340 | | Y | P | --- | W | | |
| | | Surface Resistivity test (Top & bottom) | Critical | Measure | as per BIS 1891 | BIS 1891 | BIS 1891 | | Y | P | --- | W | | |
| | | Abrasion Resistance Test | Critical | Measure | DIN 53516 | DIN 53516 / Tech. Spec. | DIN 53516 / Tech. Spec. | | Y | P | --- | W | | |
| | | Hardness test Shore scare - A) | Critical | Measure | Randomly at every 100 mtrs | Tech. Spec. | 65 +/- 5 A | | Y | P | --- | W | | |

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| | | Tear Strength (Angular & crescent) | Critical | Measure | ASTM D 624 | ASTM D 624 | ASTM D 624 Tech. Spec. | | Y | P | --- | W | |
|--|--|---------------------------------------|----------|---------|---------------|---------------|------------------------------|--|---|---|-----|---|--|

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| | <p>Legends : M : Manufacturer sub supplier, C : Supplier , O : OPGC P : Perform, W : Witness, V : Verify as appropriate Y : Yes for documentation / Records</p> <p>Note : All standards are to be considered as their latest version Any specific property check not covered in this QAP shall be as per relevent BIS standard.</p> | DOCUMENT NO : QAP / CHP / CONVEYOR BELT - 01.00 | | |
| PR No. : | | | | |
| | | PREPARED | REVIEWED | APPROVED |