


TECHNICAL DATA SHEET

| | TDS No. | Date : 23/09/2021 |
|------|---|--|
| 1 | NAME OF CUSTOMER : | SHILCHAR TECHNOLOGIES LIMITED |
| 2 | PRODUCT | Aluminium coil |
| 3 | END APPLICATION | Transformer Winding |
| 4 | PRODUCT SPECIFICATIONS | 1.1 mm x 735 mm |
| 5 | ALLOY | AA1060 |
| 6 | TEMPER | 'O' |
| 7 | DIMENSIONS & TOLERANCE | |
| a) | THICKNESS (mm) | +/- 0.03 mm |
| b) | WIDTH (mm) | +/- 1 mm |
| 8 | COIL DIAMETER | - |
| a) | Internal Diameter of coil (mm) | 508 mm |
| b) | Type of core | Paper Core |
| c) | Maximum Outer Diameter of coil (mm) | Maximum 755 mm [Coil Weight - 481 kg] Maximum 705 mm [Coil Weight - 360.75 kg] |
| 9 a) | Each Coil Weight (Min./Max) | 6 coils - 481 kg each 2 coils - 360.75 kg each [Tolerance: + 10%, No negative tolerance] |
| b) | Coil Build up | Uniform |
| 10 | Edge Burr (%) | M/s Jindal aluminium will try to control at 2% however as per machine capability (width below 750 mm) will have a burr level up to 3%. |
| 11 | ANODIZING | NO |
| 12 | POWDER COATING/PAINTING | NO |
| 13 | Bending | 90° Pass |
| 14 | TENSILE STRENGTH (MPa) | 55-95 Mpa |
| 15 | Elongation % | Minimum 25% |
| 16 | Hardness | Minimum 18 HBW |
| 17 | Electrical conductivity (%IACS at 20°C) | 61.5% minimum |
| 18 | Chemical Composition | As per IS:737 |
| 19 | Surface Finish | Free from any surface defects |
| 20 | Edges | Trimmed/Fine/Right-angled edge |
| 21 | PACKING REQUIREMENTS | PALLET + HDPE PACKING |
| 22 | INTERLEAVING / MASKING | NO |
| 23 | MOQ | 3 MT |
| | For _____ | ACCEPTED PROCESS REVIEW COMMITTEE |
| | Name & Designation of Customer Rep. |  |



JINDAL ALUMINIUM LIMITED
 (Bhilai Plant)
 K.T.A.D.B. Industrial Area
 Yedahalli Village, Tumkur Road
 Dabbaspet, Bengaluru-562 111
 Ph: 080-27735051-27735003