

**Specification For Binding Wire**  
**DIA 1.4/2.0 mm**

**A. Galvanized Wire Specification:**

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|---|----------|---|
| <b>1. Diameter of Wire required</b>         | <b>:</b> | <b>1.4 / 2.0 mm</b>   |
| <b>2. Type of Wire</b>                      | <b>:</b> | <b>Mild Steel Annealed</b>  |
| <b>3. Wire Specification Code Reference</b> |          |   |
| <b>a. Zinc coating code reference</b>       | <b>:</b> | <b>JIS 3532 Specification, 50 to 70 gm/m<sup>2</sup></b>                      |
| <b>b. Tensile Strength</b>                  | <b>:</b> | <b>As per BS 1052:1980</b>  |
| <b>4. Chemical Composition</b>              | <b>:</b> | <b>To be tested for C, Si, Mn, P&amp;S and should comply with requirement</b> |
| <b>5. Uniformity of Coating</b>             | <b>:</b> | <b>Good by Preece Test</b>  |
| <b>6. Bend Test</b>                         | <b>:</b> | <b>Good</b>   |
| <b>7. Elongation</b>                        | <b>:</b> | <b>12% minimum elongation on 30cm sample</b>                                  |
| <b>8. Surface Finish</b>                    | <b>:</b> | <b>Bright</b>   |
|   | <b>:</b> |   |

**B. PVC Compound Properties:**

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|---|----------|--|
| <b>1. PVC Coating Specification Reference</b>     | <b>:</b> | <b>As per ASTM Standard</b>  |
| <b>2. Type of Coating</b>                         | <b>:</b> | <b>Polyvinyl Chloride</b>  |
| <b>3. Coating Method</b>                          | <b>:</b> | <b>Extrusion</b>   |
| <b>4. Specific Gravity</b>                        | <b>:</b> | <b>1.3 to 1.35</b>   |
| <b>5. Durometer Hardness</b>                      | <b>:</b> | <b>50 to 60 Shore D</b>  |
| <b>6. Tensile Strength</b>                        | <b>:</b> | <b>Min. 210 to 220 Kgs/Cm<sup>2</sup></b>  |
| <b>7. Modulus of Elasticity</b>                   | <b>:</b> | <b>100 % elongation with 190 Kg/Cm.</b>  |
| <b>8. Volatile Loss</b>                           | <b>:</b> | <b>Max 2% at 105 °C for 24 hours</b>   |
| <b>9. Brittleness Temperature</b>                 | <b>:</b> | <b>Cold Bend - not Higher then -30 °C</b><br><b>Cold Flex - not Higher then +15 °C</b> |
| <b>10. Resistance to Abrasion</b>                 | <b>:</b> | <b>Good</b>  |
| <b>11. Resistance to Natural Weather Exposure</b> | <b>:</b> | <b>Good, tested by salt water immersion</b>  |
| <b>12. Creeping Corrosion</b>                     | <b>:</b> | <b>Good Tested by 50% solution of HCl</b>  |