

## TECHNICAL SPECIFICATIONS

| S. NO. | PERFORMANCE CHARACTERISTIC                      | UNIT   | REQUIREMENT AS PER IS 2046:1995, VGS | AIROLAM VALUES |
|--------|---|--|--------------------------------------|----------------|
| 1      | Appearance & Surface Defects                    | Surface free from spots, dirt, hair & edge defects |                                      |                |
| 2      | Dimensional Properties:                         |  |                                      |                |
|        | Length  | mm   | 2440 +10, -Nil                       | Conforms       |
|        | Width   | mm   | 1220 +10, -Nil                       | Conforms       |
|        | Thickness                                       | mm   | Max. variation $\pm 0.10$            | Conforms       |
|        | Flatness  | Warp, mm   | 120 (max.)                           | 60 (max.)      |
|        | Straightness of Edges                           | mm/meter straight edge                             | 1.5 mm (max.)                        | Conforms       |
|        | Squareness                                      | mm/meter straight edge                             | 1.5 mm (max.)                        | Conforms       |
| 3      | Resistance of Surface Wear                      | Rev.   | 150 (min.)                           | Conforms       |
| 4      | Resistance to Immersion in Boiling Water        | % Increase by Thickness                            | 14.0 (max.)                          | 7.0 – 8.2      |
|        |   | % Increase by Weight                               | 12.0 (max.)                          | 6.0 – 7.1      |
|        |   | Appearance   | Not worse than Grade-4               | Conforms       |
| 5      | Resistance to Staining                          | Groups 1 & 2                                       | Not worse than Grade-5               | Conforms       |
|        |   | Groups 3 & 4                                       | Not worse than Grade-4               | Conforms       |
| 6      | Resistance to Dry Heat @ 180°C                  | Appearance, Piano Gloss                            | Not worse than Grade-3               | Conforms       |
|        |   | Appearance, Others                                 | Not worse than Grade-4               | Conforms       |
| 7      | Resistance to Colour Change in Xenon Arc Light  | Grade  | Not worse than 6                     | Conforms       |
| 8      | Dimensional Stability at Deviated Temperatures: |  |                                      |                |
|        | Machine Direction                               | %  | 0.65 (max.)                          | Conforms       |
|        | Cross Machine Direction                         | %  | 1.12 (max.)                          | Conforms       |
| 9      | Resistance to Scratching                        | N  | 1.75 (min.)                          | 2.0 (min.)     |
| 10     | Resistance to Steam                             | Grade  | Not worse than Grade-4               | Conforms       |
| 11     | Resistance to Cracking                          | Grade  | Not worse than Grade-4               | Conforms       |
| 12     | Resistance to Impact by Small Ball              | N  | 20 (min.)                            | Conforms       |

NOTE: Whereas the AIROLAM Laminates products are manufactured to thorough standards, the nature of the application procedure is beyond our control.  
The values given above are to the best of knowledge but without liability/warranty, expressed or implied.