

## MGPL TECHNICAL SPECIFICATIONS : GT- 20x20

| <u>Characteristics</u>   | <u>Harmonized Standards</u> | <u>Unit</u>         | <u>Performance</u>  |
|--|-----------------------------|---------------------|---|
| Material   |                             |                     | Polypropylene   |
| Mass Per Unit Area   | EN ISO 9864                 | G/M <sup>2</sup>    | 110 (±5)  |
| Tensile Strength (MD)  | EN ISO 10139                | kN/m                | 20 (± 10%)  |
| Tensile Strength (MD)  | EN ISO 10139                | kN/m                | 22 (± 10%)  |
| Elongation (MD)  | EN ISO 10139                | %                   | 18 (± 5%)   |
| Elongation (CD)  | EN ISO 10139                | %                   | 16 (± 5%)   |
| Resistance to Static Puncture  | EN ISO 12236                | kN                  | 2.2 (±5%)   |
| Water Permeability in the perpendicular direction to product surface | EN ISO 11058                | l/m <sup>2</sup> /s | 8 (±3%)   |
| UV Resistance  | EN ISO 4892                 | %                   | 70% (@500 Hrs UV Exposure)  |
| Dynamic Puncture   | EN ISO 13433                | mm                  | 15 (±3)   |
| Characteristic Opening Size  | EN ISO 12956                | µm                  | 250(± 50)   |
| Durability (Oxidation Resistance)                                    | EN ISO 13438                | Years               | Predicted to be durable for a minimum of 25 years in natural – uncontaminated-soils with pH between 4 and 9 and soil temperatures lower than 25°C |

### **Durability:**

To be covered within 1 month after installation. Predicted to be durable for a minimum of 25 years in natural – uncontaminated - soils with pH between 4 and 9 and soil temperatures lower than 25°C. Consist solely of polyethylene material and passed the oxidation test according to EN ISO 13438.

Note: The values presented in the tables above are indicative, they are offered solely to provide possible suggestions. We reserve the right to alter the results of these materials without prior notice. As the installation and the conditions of use are beyond our control, Macfil Global Pvt Ltd cannot accept responsibility for the performance of any of these products. The properties listed herein are provided as information only and in no way can create any warranty.