|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Single-layered Materials (fabric) with Thin Nanostructured Films** | | | | | | |
| **Material grade** | **Frequency range from 3 to 40 GHz** | | | | **Thickness mm** | **Specific weight kg/m2** |
| **Dielectric constant** | | **Magnetic permeability** | |
| **Real** | **Imaginary** | **Real** | **Imaginary** |
| **1PP8M2-1** | **100-1000** | **100-200** | **1.5-4.0** | **1-5** | **0.8 - 2.0** | **0.08 – 0.15** |
| **1PPM8M10-1** | **1000-5000** | **100-500** | **1.5-4.0** | **1-5** |
| **Microwave & InfraRed Multi-layered Materials (fabric) with Thin Nanostructured Films** | | | | | | |
| **Material grade** | **Wavelength ranges** | | **Reflectivity dB** | | **Thickness mm** | **Specific weight kg/m2** |
| **1PP8M10-6** | **15 cm to 1 mm** | | **-10…-30** | | **1-4** | **1-1.5** |
| **1 mm to 760 nm** | | **-20…-30** | |
| **760 nm to 400 nm** | | **-20…-30** | |
| **1PP8M10-8** | **30 cm to 1 mm** | | **-8…-30** | | **<3** | **1-1.5** |
| **1 mm to 760 nm** | | **-20…-30** | |
| **760 nm to 400 nm** | | **-20…-30** | |
| **Operational temperatures from -60 to +85 °C.**  **Maximum dimensions of the Single- and Multi-layered Materials are 600x600 mm. Manufacturing of the materials with customized dimensions and shapes is possible.** | | | | | | |