



**JIUJIANG XINXING INSULATION MATERIAL CO.,LTD**  
**九江鑫星绝缘材料有限公司**

**TECHNICAL DATA SHEET**

| NAME<br>名称  | POLYESTER RESIN LAMINATED SHEET<br>TYPEUPGM205<br>聚酯树脂层压板UPGM205 |                     |                        |                        |
|---|--|---------------------|------------------------|------------------------|
| INSPECTION ITEM<br>检测项目   | UNIT<br>单位   | TEST METHOD<br>测试方法 | STANDARD VALUE<br>标准值  | TEST RESULT<br>检测结果    |
| Flexural strength perpendicular to laminations<br>A:Under normal conditions<br>E-1/150:Under 150±5℃<br>垂直层向弯曲强度 | MPa  | ISO178              | ≥250<br>≥125           | 281<br>186             |
| Impact strength parallel to laminations charpy)<br>平行层向冲击强度（简支梁法）   | kJ/m <sup>2</sup>  | ISO179              | ≥50                    | 71                     |
| Dielectric strength perpendicular to laminations(in oil 90±2℃),2.0mm in thickness<br>垂直层向电气强度（90±2℃油中），板厚2mm    | kV/mm  | IEC60243            | ≥10.5                  | 13.5                   |
| Breakdown voltage parallel to laminations(in oil 90±2℃)   | kV   | IEC60243            | ≥35                    | 85                     |
| Water absorption 2.0mm in thickness<br>吸水性，板厚2.0mm  | mg   | ISO62               | ≤47                    | 20                     |
| Insulation resistance Impregnated in water,D-24/23<br>浸水后绝缘电阻，D-24/23   | Ω  | IEC60167            | ≥5.0 × 10 <sup>8</sup> | 5.5 × 10 <sup>11</sup> |
| Flammability 燃烧性  | Class  | IEC60695            | FV0                    | FV0                    |
| Tracking index resistance<br>耐漏电起痕  | V  | IEC60112            | ≥500                   | 600                    |
| Compressive strength 压缩强度   | MPa  | ISO604              | —                      | 422                    |
| Tensile strength 拉伸强度   | MPa  | ISO527              | —                      | 253                    |
| Density 密度  | g/cm <sup>3</sup>  | ISO1183             | —                      | 1.86                   |
| Temperature index 温度指数  | ℃  | IEC60216            | —                      | 188                    |
| Referance standard 参考标准   | SUBJECT TO IEC60893-3-5  |                     |                        |                        |