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3025 Phenolic Cotton Cloth Technical Data Sheet

| Technical Data | Method of Verification | Unit | 3025 |
|---|------------------------|-------------------|----------------------------------|
| I. Physical Properties | | | |
| Density | ISO 1183 | g/cm ³ | 1.45 |
| Water absorption 24hrs | ISO 62 | % | ≤2.2 |
| III. Thermal Properties | | | |
| Heat stability(≤20mm) | ISO 75-2 | °C | ≥110 |
| Heat stability(≥20mm) | ISO 75-2 | °C | 90 |
| Max. service temperature -Short term | ISO 75-2 | °C | 300 |
| Max. service temperature - Long term | ISO 75-2 | °C | 120 |
| Flammability | UL 94 | Class | HB |
| II. Mechanical Properties | | | |
| Tensile strength at yield | ISO 527-2 | MPa | ≥83 |
| Tensile strength at break | ISO 527-2 | Mpa | / |
| Hardness - Shore D | DIN 53505 | | 115-118 |
| Impact strength | ISO 179 | kJ/m ² | ≥43 |
| Bending Strength | ISO 527-2 | Mpa | ≥105 |
| Flexural strength | ISO 179 | Mpa | ≥120 |
| Adhesive Strength | ISO 179 | N | 5500 |
| Compression strength-vertical | ISO 179 | Mpa | ≥245 |
| Compression strength-parallel | ISO 179 | Mpa | ≥147 |
| IV. Electrical Properties | | | |
| Volume resistivity | IEC 60093 | Ohm (Ω) * cm | 10 ⁷ ~10 ⁸ |
| Surface resistivity | IEC 60093 | Ohm (Ω) | / |
| Electric strength- LW | VDE 0303 | KV | ≥10 |
| Breakdown Voltage-CW | VDE 0303 | mV/m | ≥0.82 |
| Relative dielectric coefficient | VDE 0303 | / | / |
| Dielectric Loss Factor at 1MHz | VDE 0303 | / | / |
| NOTE: 1 g/cm³ = 1,000 kg/m³, 1 Mpa = 1 N/mm², 1kV/mm = 1 MV/m | | | |

Statement:

Property data contained herein are typical values of resin for your reference and comparison purposes only. PRIOR will not provide any legally binding guarantee of certain properties, or any suitability.