

## TECHNICAL DATA SHEET

|                                                                                            |                                                          |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>CMC TYPE</b>                                                                            | <b>CMC 70097</b>                                         |
| <b>Supporting base</b>                                                                     | Kapton® HN (polyimide)                                   |
| Colour                                                                                     | brown                                                    |
| Substrate thickness in mm                                                                  | 0.025 ± 17%                                              |
| Adhesive thickness first side in mm                                                        | 0.017 ± 0.004                                            |
| Adhesive thickness second side in mm                                                       | 0.017 ± 0.004                                            |
| Total thickness in mm                                                                      | 0.060 ± 15%                                              |
| <b>Adhesive properties</b>                                                                 |                                                          |
| Type of adhesive                                                                           | acrylic                                                  |
| Adhesive strength in N/cm according to internal method PV 1006-32 (180° peel from steel) * | ≥2                                                       |
| <b>Thermal properties</b>                                                                  |                                                          |
| Temperature performance (max.) in °C                                                       | 180                                                      |
| Short term temperature performance in °C (ca. 1 hour)                                      | 200                                                      |
| Insulation class according to IEC 60085                                                    | H                                                        |
| <b>Electrical properties</b>                                                               |                                                          |
| Breakdown voltage based on IEC 60243-1 in V <sub>eff</sub> .                               | ≥ 6.000                                                  |
| <b>Mechanical properties</b>                                                               |                                                          |
| Tensile strength in N/cm                                                                   | ca. 40 - 60                                              |
| Elongation at break in %                                                                   | ca. 40 - 70                                              |
| <b>Other properties</b>                                                                    | <div>RoHS compliant ✓</div> <div>REACH compliant ✓</div> |
| Liner                                                                                      | siliconized paper yellow, double-sided (CMC 29094)       |
| Area weight of the liner in g/m²                                                           | 92 ± 10%                                                 |
| Thickness of the liner in mm                                                               | 0.077 ± 10%                                              |
| ® Registered trade mark of DuPont de Nemours                                               |                                                          |

(\*) This value applies to both sides of the adhesive film. The one side not being examined is covered by a PET film of 23 microns. Test results may strongly depend on the choice of e.g. thicker liners for the other adhesive layer.

Storage conditions: cool and dry (15 - 25°C, < 65% rel. humidity)

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Quality guarantee: 12 months. The technical data represents average values subject to change without notice. It is not intended to replace users' testing. Note on REACH: Some of our products do contain substances from the so-called candidate list. Please visit <https://en.cmc.de/page/reach> and check whether or not a purchased product is listed in our REACH statement and therefore does contain one or more SVHCs.