



TECHNICAL DATA SHEET

CMC TYPE	CMC 80803
Product Description CMC 80803 consists of a metallized polyamide non-woven fabric with a very low surface resistivity and an electrically conductive adhesive layer. It provides very good shielding effectiveness comparable to that of a plain copper foil though at a lighter weight.	
Substrate	polyamide non-woven, copper plated / tin plated
Colour	grey with embossing
Area weight of the non-woven in g/m ²	105 ± 20%
Total area weight in g/m ²	145 ± 20%
Adhesive Properties	
Type of adhesive	acrylic, electrically conductive
Adhesive colour	red
Adhesive strength in N/cm according to internal method PV 1006-32 (180° peel from steel)	≥ 3
Thermal Properties	
Operating temperature PA non-woven fabric	up to 90°C
Electrical Properties	
Surface resistivity	< 0.05 Ω/□
Shielding effectiveness in dB	ca. 90 (between 300 MHz and 3 GHz)
Ohmic resistance (testing area two times 1 cm ² according to internal method PV 1006-14)	< 5 Ω
Other properties	RoHS compliant ✓ REACH compliant ✓

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

07/21

Quality guarantee: 12 months

The technical data are average values and subject to change without notice. They are not intended to replace user's 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.