

TECHNICAL DATA SHEET

CMC TYPE	CMC 48181
Product description / structure of the laminate CMC 48181 is a self adhesive polyamide non-woven (CMC 80782) with a full area self adhesive polyester cover (CMC 10735) and it is qualified for use in powder coatings.	
Substrate (non-woven)	polyamide non-woven, copper plated / tin plated (CMC 80782)
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 strength in N/cm according to internal method PV 1006-32 (180° peel from steel)	≥ 2
Thermal properties	
Operating temperature PA non-woven fabric	up to 90°C
Electrical properties	
Surface resistivity of the non-woven	< 0.05 Ω/□
Ohmic resistance (testing area two times 1 cm ² according to internal method PV 1006-14)	< 5 Ω
Substrate (cover)	polyester (CMC 10735)
Colour	blue
Film thickness in mm	0.050 ± 10%
Total thickness in mm	0.070 ± 10%
Adhesive properties	
Type of adhesive	polysiloxane, modified
Thermal properties	
Operating temperature of CMC 10735	up to 130°C
Operating temperature of the whole laminate	up to 90°C
Other properties	RoHS compliant ✓ REACH compliant ✓

recommended storage cond.: cool and dry (15 - 25°C, < 65% rel. humidity)

03/23

quality guarantee: 12 months

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.