



PRELIMINARY TECHNICAL DATA SHEET

CMC TYPE	CMC 70421
Product description CMC 70421 is a high-temperature insulating tape based on a polyimide film with high dielectric strength and good mechanical properties.	
Backing material	Zenimid GF 100 (polyimide) by Arkema
Colour	brown / amber
Substrate thickness in mm	ca. 0.025
Total thickness in mm	0.060 ± 10%
Adhesive properties	
Type of adhesive	polysiloxane
Adhesive strength in N/cm according to internal method PV 1006-32 (180° peel from steel)	≥ 2
Thermal properties	
Temperature performance in °C	180
Short term temperature performance in °C (ca. 1 hour)	350
Insulation class according to IEC 60085	H
Electrical properties	
Breakdown voltage based on IEC 60243-1 in V _{eff} .	≥ 6'000
Mechanical properties	
Tensile strength in N/cm	≥ 40
Elongation at break in %	≥ 25
Other properties	RoHS compliant ✓ REACH compliant ✓

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

03/26

Quality guarantee: 12 months

Technical data represents average values subject to change without notice. It is not intended to replace users' testing.