



TECHNICAL DATA SHEET

CMC TYPES colourless polyester films, no coatings	29019 29025 29036	19 µm 23 µm 36 µm
Film material	PET (polyethylene terephthalate)	
Density	1.4 g/cm ³	
Mechanical properties		
Tensile strength (machine direction)	ranging from about 200 to 260 MPa or N/mm ²	
Tensile strength (cross machine direction)	ranging from about 210 to 280 MPa or N/mm ²	
Elongation at break (machine direction)	ranging from about 110 to 140%	
Elongation at break (cross machine direction)	ranging from about 100 to 135%	
Young's module (machine direction)	ranging from about 3.9 to 4.5 GPa or kN/mm ²	
Electrical properties		
Breakdown voltage based on IEC 60243-1	CMC 29019 CMC 29025 CMC 29036	about 6 kV _{eff.} about 6 kV _{eff.} about 7.5 kV _{eff.}
Thermal properties		
Insulation class according to UL510 and IEC 60454-2	B (130°C)	
RTI based on UL746 according to suppliers' UL files	A (105°C)	
Shrinkage (machine direction, 30 min 150°C)	ca. 1.0 - 2.0%	
Shrinkage (cross machine direction, 30 min 150°C)	ca. 0.0 - 2.0%	
Other properties		

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

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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. All information transferred from the original data sheets of our suppliers (except electrical properties).