



Preliminary technical data sheet

CMC TYPE	CMC 15315
Product description CMC 15315 is a very temperature resistant baseless adhesive film with moderate tack and good adhesion to preferably smooth surfaces. CMC 15315 is designed to be combined with polyester films like Mylar A / CMC 29052.	
Backing material	none / baseless
Adhesive properties	
Type of adhesive	acrylic
Adhesive colour	amber, transparent
Adhesive thickness in mm	0.025 ± 20%
Adhesive strength in N/cm according to internal method PV 1006-32 (180° peel from steel) For this measurement the adhesive layer is transferred onto 50 µm PET film.	≥ 2 (typical 3)
Thermal properties	
Temperature performance (max.) in °C	155
Temperature performance (min.) in °C	-40
Short term temperature performance in °C (ca. 1 hour)	200
Other properties	 
Liners	polyester film siliconized LDPE film siliconized

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

06/21

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.



Technical data sheet

CMC TYPE	CMC 29052
Description	PET film Mylar® A by DuPont
Total thickness in mm	0,050 ± 10%

Excerpt from the supplier's technical data sheet and UL yellow card:

Product Description

Mylar® A polyester film is a flexible, strong and durable film with a balance of properties especially suitable for use as an insulating material in electric motors (slot liner, closure and interphase), transformers and other electrical applications. Mylar® A has a high tensile strength, excellent resistance to moisture and most chemicals and can withstand temperature extremes from -70°C to 150°C. For Underwriter Laboratories recognition of Mylar® A, see QMFZ2-E93687.

Typical Applications

Mylar® A makes the difference in the electrical industry with :

- Unique reliability and quality consistency thanks to the continuous polymerization process.
- Best in class mechanical and physical properties, such as ease of insertion, no delamination, no brittleness, excellent thickness uniformity.
- Highest thermal performance offering extended life time. Mylar® A is commonly used in Class B systems (130°C) by many motor manufacturers and many years of experience confirm the performance of Mylar® A in these systems.

Mylar® A is the only polyester film to resist temperature peaks of up to 150°C.

Electrical properties	
Comparative Tracking Index (CTI) according to UL 746A	performance level category 1 (≥ 400 V, < 600 V)
Thermal properties	
Temperature performance (min.) in °C	-40
Temperature performance (max.) in °C	+130



Film Properties

Property	Unit	Typical Values	Test Method
General		50	
Thickness	micron	50	DTF Method
Electrical		50	
Dielectrical Strength (minimum)	kV	7.7	ASTM D149
Mechanical		50	
Tensile Strength MD	MPa	190	ASTM D882
Tensile Strength TD	MPa	230	ASTM D882
Elongation MD	%	140	ASTM D882
Elongation TD	%	100	ASTM D882
Optical		50	
Haze	%	25	ASTM D1003
Thermal		50	
Shrinkage, 150 °C, 30 min, MD	%	1.0	ASTM D1204
Shrinkage, 150 °C, 30 min, TD	%	1.0	ASTM D1204
Shrinkage, 200 °C, 30 min, MD	%	3.0	ASTM D1204
Shrinkage, 200 °C, 30 min, TD	%	3.0	ASTM D1204

MD: machine direction, TD: transverse direction

Other properties

RoHS
compliant ✓

REACH
compliant ✓

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

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