

Data Sheet

TOOLTEC® CA5 & CS5

High elongation PTFE film coated with adhesive

DESCRIPTION

Tooltec® C Series is a PTFE film coated with a high temperature pressure sensitive adhesive. Tooltec® CS5 is coated with a silicone adhesive and Tooltec® CA5 is coated with an acrylic adhesive for use where silicone adhesives are prohibited to reduce contamination risk.

It is a non-reinforced film allowing it to conform to complex contours. Tooltec® C Series can be used to seal masters and leaky tool surfaces while providing semi-permanent and contamination free part release.

BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Good elongation, so complex tools can be reconditioned, and master models finished for moulding.
- Improve tool surface finish and aid resin flow for better part surface finish and reduced hand finishing.
- Acrylic adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.

TECHNICAL DATA

	Tooltec® CA5	Tooltec® CS5
Maximum use temperature	204°C (400°F)	260°C (500°F)
Carrier type	PTFE	PTFE
Adhesive type	Acrylic	Silicone
Elongation at break	300 %	300 %
Colour	Light brown	Light brown
Total thickness	163 µm (0.0065 inch)	165 µm (0.0065 inch)
Film thickness	125 µm (0.005 inch)	127 µm (0.005 inch)
Adhesive thickness	38 µm (0.0015 inch)	38 µm (0.0015 inch)
Shelf life	18 months from date of shipment when stored in original packaging at 22°C (72°F)	

SIZES

Tooltec® CA5	Tooltec® CS5
91 cm - 16.5 m (36 inches - 18 yards)	91 cm - 16.5 m (36 inches - 18 yards)
-	122 cm - 16.5 m (48 inches - 18 yards)

- Other sizes available on special order.

SUSTAINABILITY



Can be
re-used



Recyclable
packaging

NOTES

- Tooltec® CA5 backing is blue.
- Tooltec® CA5 & Tooltec® CS5 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mold surface. The remainder of backing should then be carefully removed while pressing the Tooltec® onto the mould surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.