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Data Sheet

TOOLTEC® CS5

High elongation PTFE film coated with silicone adhesive

DESCRIPTION

Tooltec® CS5 is a PTFE film coated with a high temperature silicone pressure sensitive adhesive. It can be used to seal masters and leaky tool surfaces while providing semi-permanent and contamination free part release. Tooltec® CS5 is a non-reinforced mould surface reconditioning tape allowing conformance to complex contours and providing a semi-permanent release for contoured shapes.

BENEFITS

- Tooltec® CS5 provides 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.

TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	PTFE
Adhesive type	Silicone
Colour	Light brown
Total thickness	163 µm (0,0065 inch)
Film thickness	125 µm (0,005 inch)
Adhesive thickness	38 µm (0,0015 inch)
Elongation at break	300 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length
91 cm (36 inches)	16,5 m (18 yards)
122 cm (48 inches)	16,5 m (18 yards)

- Other sizes available on special order.



NOTES

- Tooltec® CS5 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mould surface. The remainder of backing should then be carefully removed while pressing the Tooltec® CS5 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.

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Catalogue position : Pressure sensitive tapes

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