

Data Sheet

TOOLTEC® A005, A007 & A012

Reinforced PTFE coated fibreglass with silicone adhesive

DESCRIPTION

Tooltec® pressure sensitive tapes are designed to adhere to tool surfaces providing semi-permanent release and a reconditioned surface. It can be used on all types of moulds, press platens, caul sheets or any surface that comes in contact with resins or adhesives. Release agents are not required on the mould surface thereby reducing cost and parts contamination. Tooltec® are reinforced mould surface reconditioning tapes providing a semi-permanent release for flat tools. These products come standard with a silicone pressure adhesive, but can also be supplied with an acrylic adhesive by special order.

BENEFITS

- Provide semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Can be used to recondition worn or damaged tools for extended service, avoiding cost of remanufacture.
- Improve tool surface finish and aid resin flow for better part surface finish and reduced hand finishing.

TECHNICAL DATA

	Tooltec® A005	Tooltec® A007	Tooltec® A012
Maximum use temperature	260°C (500°F)	260°C (500°F)	260°C (500°F)
Carrier type	PTFE/ Glass	PTFE/ Glass	PTFE/ Glass
Adhesive type	Silicone	Silicone	Silicone
Colour	Light brown	Light brown	Light brown
Total thickness	125 µm (0.005 inch)	175 µm (0.007 inch)	304 µm (0.012 inch)
Film thickness	75 µm (0.003 inch)	125 µm (0.005 inch)	254 µm (0.010 inch)
Adhesive thickness	50 µm (0.002 inch)	50 µm (0.002 inch)	50 µm (0.002 inch)
Shelf life	18 months from date of shipment when stored in original packaging at 22°C (72°F)		

SIZES

Tooltec® A005	Tooltec® A007	Tooltec® A012
2.54 cm - 33 m (1" - 36 yards)	2.54 cm - 33 m (1" - 36 yards)	-
5.08 cm - 33 m (2" - 36 yards)	5.08 cm - 33 m (2" - 36 yards)	-
91 cm - 16.5 m (36" - 18 yards)	91 cm - 16.5 m (36" - 18 yards)	91 cm - 16.5 m (36" - 18 yards)
122 cm - 16.5 m (48" - 18 yards)	122 cm - 16.5 m (48" - 18 yards)	-

- Other sizes available on special order.

SUSTAINABILITY



Can be re-used



Recyclable packaging

NOTES

- Tooltec® 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® 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.
- Colour variations are due to sizing and sintering process and have no relationship to % of PTFE content.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.