

Adhesive Specialities

Manufacturer of Speciality Adhesive Tapes

TECHNICAL DATA SHEET

Product Code – AS –084

PTFE TEFLON COATED TAPE – 3 MIL

Description: PTFE Teflon Coated Tape – 3 Mil is made from non-woven fibreglass cloth coated with PTFE and with silicone adhesive and adheres readily to heated surfaces and is repositionable without residue, able to tolerate constant ambient temperatures ranging from -73°C to 500°C depending on the thickness of the tape. The tape is non-toxic, odourless and tasteless. The tape's combination delivers excellent dimensional stability, tensile strength and durability, as well as extremely low elongation (<1%). It also has a very low co-efficient of friction, giving the non-adhesive side an extremely smooth, non-stick surface along with high heat resistance, chemical resistance, and outstanding hydrophobic and dielectric properties. The tape is also available with liner.

Application: PTFE Teflon Coated Tape – 3 Mil is mainly used as a protection of heat filament in heat sealing machines and also can be used for food processing, packaging, and handling industries as well as for heat resistant masking, bundling of coils, motors & wires.

Application Technique: For best results, ensure the surface is clean, dry and dust free before application of the tape. Even and firm pressure to be applied for better adhesion results.

TECHNICAL VALUES

Properties	Value
Base Material	PTFE Teflon Coated Fabric - 72 µm
Adhesive	Silicone
Total Thickness	108 µm
Adhesion to Steel (gms/inch)	717 gms
Heat Resistance	180 °C
Tensile Stress	29 Mpa
Elongation (% at break)	23 %
Dielectric Breakdown (v)	9,500 v
Insulation Resistance (MΩ)	> 1 x 10 ⁶
Electrolytic Corrosion	1.0

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The technical values are determined by/based on standard tests. Our recommendations on the use of the product are based on reliable in-house tests, but the users are requested to conduct their own test to determine the suitability of the product. Adhesive Specialities will not be responsible for any loss or damage caused as a result of our recommendations!



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Storage & Shelf Life: The tape should be stored in cool and dry place and prolonged exposure to the direct sunlight should be avoided. To obtain best performance, the product should be used within 12 months from the date of manufacture.