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# 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 fiberglass cloth with PTFE and coated with silicone adhesive. The tape adheres readily to heated surfaces and is repositionable without residue and is 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, odour-less 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. Apply even and firm pressure for better adhesion results.

### **TECHNICAL VALUES**

<b>PROPERTIES</b>	<b>VALUE</b>
Base Material	PTFE Teflon Coated Fibreglass – 75 µm
Adhesive	Silicone
Total Thickness	100 ±5 µm
Adhesion to Steel (g/25mm)	600 gms
Heat Resistance	180° C
Breaking Strength (kg/25mm)	20.0 kgs
Elongation (% at break)	5%
Dielectric Breakdown (v)	9,500 v
Insulation Resistance (MΩ)	> 1 x 10 <sup>6</sup>
Electrolytic Corrosion	1

**Storage & Shelf Life:** The tape should be stored in a 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 manufacturing date.

[www.adhesivespecialities.co.in](http://www.adhesivespecialities.co.in)

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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.