

TF.50

PTFE FILM TAPE

General Description

50 micron PTFE (polytetrafluoroethylene) film coated with a high-temperature silicone adhesive system. Intended for high temperature insulation, release wrap on rollers in numerous industries, cure process of composites materials and all applications where a low-friction, anti-stick and non-toxic properties are required. Flame retardant (UL 510)

Features

- Outstanding temperature resistance
- Good chemical resistance
- Low-friction and anti-stick surface

Applications

- Motor & transformer manufacturers
- Automotive, aerospace, composites materials, etc.

Technical Data

Property	Value
Product Type	Single coated
Backing Type	PTFE film
Adhesive Type	Silicone
Color	Brown
Backing Thickness	0,05 mm
Total Thickness	0,1 mm
Peel Adhesion at 180° On Steel	3.00 N/cm
Tensile Strength	40.00 N/cm
Rolling Ball Tack	< 10 cm
Elongation at Break	100%
Breakdown Voltage	9.00 kV
Thermal Class	180 (H)
Short Time Temperature Resistance	260 °C
Flame Retardancy	Yes (UL 510)
Electrolytic Corrosion	1
Approvals	UL file No. E178430
Shelf Life	12 months
Standard Length	33 m
Standard Width	580 mm



* International harmonized test methods: ASTM D-1000, PSTC, EN 60454-2.

All statements and information listed above regarding this product are typical values for general guidance, these data have not to be intended as conformity specification. These suggestions are based on tests we believe reliable, but are not guaranteed for accuracy and completeness. The user must test, evaluate and validate this product before the use, assuming risks and liability of such use. This document may be revised without prior notice. Suggested storage temperature is between 10°C and 30°C with 50% relative humidity.

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