PTFE Coated Glass Fabric

Non-Stick, Heat-Resistant Fabric & Adhesive Tape — Technical Datasheet

DIODE TRADING EST
Dammam, Saudi Arabia

PTFE coated glass fabric is woven fibreglass coated with PTFE. It combines the strength of glass fibre with the non-stick surface, chemical resistance and heat resistance of PTFE, and is supplied as plain fabric or with a silicone adhesive backing.

Specification

Material	Woven glass fibre fabric coated with PTFE
Versions	Standard, premium (smooth), anti-static (black), open mesh, silicone adhesive-backed tape
Standard Colours	Beige / brown, black (anti-static), white
Thickness	Approx. 0.08 mm to 1.0 mm
Weight	Approx. 100 to 1,300 g/m²
Roll Size	Widths 1,000 / 1,250 mm (others on request), length 10 - 50 m; tapes cut to width

Material Properties (typical values)

Property	Typical Value
Service temperature	-70°C to +260°C
Surface	Non-stick, easy release
Coefficient of friction	approx. 0.05 - 0.10
Chemical resistance	Resistant to almost all chemicals
Tensile strength (warp)	Depends on thickness; approx. 1,000 - 5,000 N / 5 cm
Flammability	Non-combustible glass base; does not support combustion
Food contact	FDA-compliant grades available
Adhesive (tape version)	Silicone, for use up to approx. +260°C

Typical Applications

Heat-sealing and packaging machines, conveyor and dryer belts, release sheets, cooking and baking liners, chute linings, thermal insulation and jacketing.

Selection Note

Plain fabric is cut and sewn into belts and covers; adhesive tape is used to cover heat-sealing bars, rollers and chutes.

How to Order

Send the material, grade, colour, form, dimensions (thickness / diameter, width, length) and quantity, or a drawing for machined parts, to Diode Trading EST at www.diode.sa or +966 51 083 8213. Material test certificates are available on request.

Notice: Values are typical and indicative, based on common industry grades. Exact grade, size, tolerance and performance are confirmed on quotation and against the supplier or manufacturer data and material test certificate for each batch. This sheet is not a warranty. Contact Diode Trading EST to confirm availability and specification for your application.