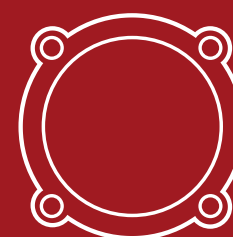


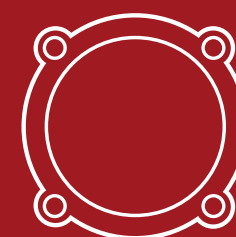


A QUICK GUIDE TO PTFE GASKET MATERIALS



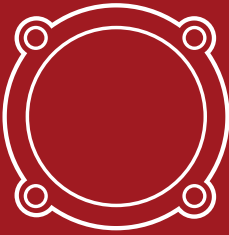
OVERVIEW

PTFE, also known as Teflon®, is a highly versatile and durable gasket material. With exceptional chemical resistance, extreme temperature tolerance, and low-friction performance, it's ideal for applications from chemical processing to food production.



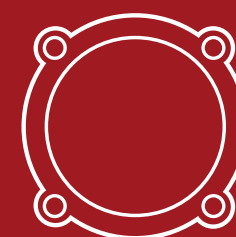
PHYSICAL PROPERTIES

PROPERTY	DESCRIPTION
Temperature Range	-200°C to +260°C
Chemical Resistance	Excellent, inert to most acids, solvents, and bases
Coefficient of Friction	Extremely low, non-stick surface
Compressibility	Moderate, requires proper bolt load
Water Absorption	Virtually zero
Food-Grade Options	Compliant with FDA/EC regulations
Metal-Detectable Options	Ensures safety in food production environments



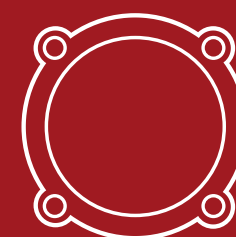
KEY ADVANTAGES

- ▶ Outstanding chemical & thermal resistance
- ▶ Non-contaminating surface
- ▶ Low friction for easy installation
- ▶ Excellent electrical insulation
- ▶ Long service life in harsh conditions



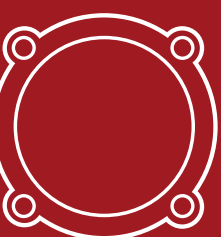
FILLED PTFE GRADES

- ▶ Glass-filled for better dimensional stability
- ▶ Carbon-filled for higher thermal conductivity & wear resistance
- ▶ Graphite-filled for improved sealing & reduced creep
- ▶ Bronze-filled for increased mechanical strength



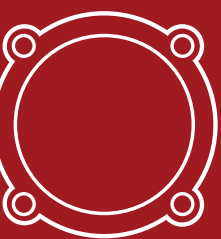
ETCHED PTFE

- ▶ Surface etching improves adhesion
- ▶ Reduces creep & enhances reliability under load
- ▶ Perfect for high-performance sealing applications
- ▶ Compatible with chemicals & temperature extremes



METAL-DETECTABLE PTFE

- ▶ Ideal for food & beverage production
- ▶ Detectable by standard metal detectors
- ▶ Reduces contamination risk & ensures compliance
- ▶ Retains standard properties

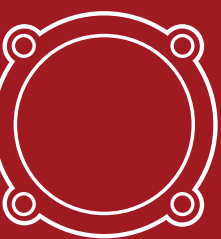


FOOD-GRADE PTFE

- ▶ Fully FDA/EC compliant
- ▶ Non-toxic, non-contaminating
- ▶ Maintains excellent chemical & thermal resistance



dobson
gaskets





**NEED ADVICE ABOUT
PTFE GASKET MATERIALS?**

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OUR TEAM**

(+44) 01535 607257

sales@dobsongasket.com

www.dobsongasket.com

