

# **Laminated Insulations & Plastics Ltd.**

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## **PTFE Technical Data**

PTFE has a wide range of applications, which make use of its extreme chemical resistance, low coefficient of friction, excellent electrical insulation properties and thermal stability up to 250°C.

Description: 100% Virgin PTFE

Colour: White

Property	Value
Temperature Range	-200 -/+ 250°C
Density	2.13 – 2.20
Tensile Strength	19 Mpa minimum
Elongation	250%
Hardness (Shore D)	55-65
Melting Point	327°C +/- 10

### **Thermal Expansion**

Indicating the percentage increase in length between two temperatures.

°C	Increase
15 to 30	0.4%
30 to 50	0.3%
30 to 100	0.8%
30 to 200	2.4%
30 to 250	3.4%

Virgin PTFE complies with spec FR177.1550 and may be safely used in articles or components intended to contact food. It is the responsibility of the customer to test finished articles to ensure compliance with the extractive limitations of applicable regulations.

These figures are average values, and do not constitute a specification. It is the responsibility of the customer to assess suitability for their application.

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