








Kormax PTFE

Material Data Sheet

Kormax PTFE [technical name Polytetrafluoroethylene] is a fluoro-carbon-based material with excellent temperature and chemical resistance. Kormax PTFE is often used for non-stick coatings due to its extreme slipperiness. There are few other plastics which have such a low coefficient of friction. Whilst Kormax PTFE is a very dense material, compared to other plastic materials, it is quite soft and has low abrasion resistance. It is also produced with different additives such as glass, carbon, bronze and stainless steel which improves various physical properties of Kormax PTFE.

	Max Continuous Operating Temperature	260°C		Density	2.18
	Tensile Strength	5.5 MPa		Moisture Absorption	0.0%
	Suitability for Food Contact	Yes		Machinability	Moderate
	Coefficient of Friction to Steel	Low			

Mechanical Properties

	Metric Values
Tensile Strength	28 MPa
Elongation	300%
Hardness (Shore D)	58
Specific Gravity	2.17 g/cm ³

Thermal Properties

	Unit
Melting point	327 °C
Maximum service temperature	260 °C

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