








## Kormax PETP

## Material Data Sheet

PETP [technical name Polyethylene terephthalate] is naturally white in colour, however, black is available on request. It has excellent stability coupled with excellent wear resistance, low friction coefficient, high strength, and resistance to moderate acid solutions, making it ideal for precision parts. Kormax PETP has a maximum continuous service temperature of 100°C and its FDA compliance allows it to be used in direct contact with foodstuffs. Impact resistance of Kormax PETP is limited due to its high strength and rigidity, but low moisture absorption gives good stability in wet environments.

	<b>Max Continuous Operating Temperature</b>	100°C		<b>Density</b>	1.38
	<b>Tensile Strength</b>	26 MPa		<b>Moisture Absorption</b>	0.5%
	<b>Suitability for Food Contact</b>	Yes		<b>Machinability</b>	Excellent
	<b>Coefficient of Friction to Steel</b>	Excellent			

### Mechanical Properties

	Metric Values
Tensile Strength at yield at break	85 N/mm <sup>2</sup>
Elongation at break	50%
Rockwell hardness	M95 MPA
Tensile Modulus of elasticity	3700 N/mm <sup>2</sup>

### Thermal Properties

	Unit
Melting point	255 °C
Deformation at temperature HDT	95 °C

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