

Material Data Sheet

UTECFLON-E10

General Information

UTECFLON-E10 is a PTFE (Polytetrafluorethylene) filled with 10% Ekonol. It has good wear and extrusion resistance, especially in dry running conditions. It has similar chemical resistance, and can be used in same temperature range, as pure PTFE, especially in rotary applications at high speeds. It should not be used in hot water.

Physical properties

Colour:			Cream
Hardness at 20°:	DIN 53505	Shore D	60 - 62
Density:	DIN 53479	g/cm ³	2.08
Tensile strength:	DIN 53504	N/mm ²	> 20
Elongation at break:	DIN 53504	%	> 250
Coefficient of friction (dyn.):	ASTM D1894	μ	0.18
Therm. Exp. Coeff. (lin.) 25-100°:	ASTM D696	10 ⁻⁵ /° C	8.4
Min. service temperature:		°C	-200
Max. service temperature:		°C	+260

Remark

All test methods and values mentioned above are corresponding to ASTM or DIN standards and have been tested on standardized plates in the laboratory. All tests are made under laboratory conditions.