Dexnyl© PEEK Mod. SF Films_22 **Technical Datasheet**

This film is made of a special PEEK compound containing carbon fibres and various mineral fillers. Film is specifically designed to give excellent wear resistance under dry and wet conditions with metal counter parts.

Physical and Mechanical Properties:			
Density	ISO 1183	g/cm³	1,61
Water absorption		%	< 0,1
Tensile strength at 23°C	ISO 527	N/mm²	145
Tensile elongation at 23°C	ISO 527	%	1,8
Tensile modulus	ISO 527	N/mm²	13000

Thermal Properties:			
Long-term service temperature	UL746B	°C	250
Coefficient of linear thermal expansion	DIN 53752	10E-5/K	1,5
Thermal conductivity	DIN 52612	Wm/K	1,5

Wear Properties:			
Coefficient of friction	(v=1,5 m/s; F=10N; RT)	1	approx. 0,2
Specific wear rate	(v=1 m/s; p=1MPa; RT)	10^{-6} mm³/Nm	approx. 0,3

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