ELECTRICALLY INSULATING FILMS

KARL SCHUPP AG

CONDUCT – PROTECT – INSULATE



The fillers specially added to the PTFE by the manufacturer, together with the production technology used, enable the production of peeled films with outstanding properties.

PTFE electrical Films G400, peeled

Specifications

- Low coefficients of friction
- High resistance and hardness values
- Applications at extremely high temperatures
- High compressive strength values
- Extremely long product life cycles and correspondingly low operating costs

Technical data

Features	Unit	test	extruded	pressed
Specific weight	g/cm3	ASTM D792	2,14 -2,18	
Tensile strength	N/mm2	ASTM D4894	≥ 20	≥ 24
Tear elongation	%	ASTM D4894	≥ 200	≥ 250
Compressive strength at 1% deformation	N/mm2	ASTM D695	4 -5	
Coefficient of friction	-	ASTM D1894	0,06	
Operating temperature range	°C	---	- 200 to + 260	
dielectric strength	kV/mm	ASTM D149	≥ 20	≥ 40

Dimensions:

Master number		Thickness [mm]	Tolerance[mm]	Size [mm]	Tolerance [mm]
PTFE0500	♦	0,50	+0,03 - 0		
PTFE1000	♦	1,00	+0,05 - 0		
PTFE1500	♦	1,50	+0,10 - 0		
PTFE2000	♦	2,00	+0,20 - 0	600 x 600	+20 - 0
PTFE2500	♦	2,50	+0,25 - 0	1000 x 1000	+30 - 0
PTFE3000	♦	3,00	+0,30 - 0	1200 x 1200	+40 - 0
PTFE4000	♦	4,00	+0,40 - 0	1500 x 1500	+40 - 0
PTFE5000	♦	5,00	+0,50 - 0		
PTFE6000	♦	6,00	+0,60 - 0		

♦ Available from factory stock

Item number:

Example: PTFE0500/xxxx/yyyy
PTFE0500 = master number
xxxx = length
yyyy = width