

PRODUCT INFORMATION SHEET
HEAT SHRINKABLE SLEEVES IN FEP and PFA FOR ROLLERS AND CYLINDERS

FEP and PFA sleeves offer non-stick and anti-corrosion properties on cylinders used in the paper, printing and textile industries.

GENERAL PROPERTIES

Heat shrinkable sleeves in FEP and PFA

TECHNICAL PROPERTIES (*)

Properties		Standard	FEP	PFA
General	Wall thickness		0.5 mm (0.020")	0.6 mm (0.020")
	Shrinkage approx %		20 – 25 %	20 – 25 %
	Shrinkage temperature		From 121°C to 204°C	From 121°C to 204°C
	Density		2.15	2.15
	Water absorption		0.01 %	0.03 %
	Dynamic friction coefficient	D1894	0.2	0.2
	Hardness		53 Shore D	53 Shore D
Heat	Melting point		260°C	304°C
	Continuous temperature during use	UL746B	204°C	249°C
	Coefficient of linear thermal expansion		9.4x10 ⁵ mm/mm/°C (5.5x10 ⁵ inch/inch/°F)	9.4x10 ⁵ mm/mm/°C (5.5x10 ⁵ inch/inch/°F)
	Coefficient of thermal conductivity		(1.35BTU/inch/h/pi2/°F)	(1.65 BTU/inch/h/pi2/°F)
	Coefficient of the spread of the flame	UL94	VO	VO
hydrofluorocarbons	FEP and PFA hydrofluorocarbons are chemically inert and resistant to solvents and virtually all chemical products, with the exception of molten alkali metals, fluorines at high temperature plus some complex halogen compounds such as chlorine trifluoride at high temperature or pressure			
Mechanical	Rupture resistance at 23°C		3 000 psi (21 N/mm ²)	4 000 psi (28 N/mm ²)
	Elongation at rupture at 23°C		300 %	300 %
	Resistance to flex, cycles			
	23°C		80 000	500 000
	93°C		80 000	1 500 000
	149°C		50 000	5 000 000
Electrical	Di-electric constant	D150	2.1	2.1
	Volume resistivity	D257	1x10 ⁵ 18 ohm-cm (1x10 ⁵ 16 ohm-m)	1x10 ⁵ 18 ohm-cm (1x10 ⁵ 16 ohm-m)

(*) The values and information provided above are given in good faith but are not binding and we bear no liability for them.