

General properties:

- A FEP or PFA shrinktube is tubularly extruded and then expanded. After heating the shrinktube will shrink down back to the original extruded size. Because of this property a shrinktube is extremely well suited for roll or rollercoating.
- FEP & PFA shrinktube is supplied in seamless extruded tube from Ø 22 mm up to Ø 850 mm and from Ø 850 mm up to Ø 5,000 mm in welded tubeform.
- Up to Ø 22 mm the are coil lengths available up to 33 m.
- From Ø 22 mm upwards the shrinktubes are available with lengths up to about 10 m.



Several applications are:

- Broad-stretch rolls
- Guide-rolls for foto-developmentequipment
- Guide-rolls for conveyorbelt
- Guide-rolls for dough kneading machines
- Guide-rolls in fabric
- Enrichmentmachines
- Gluerolls
- Guide-rolls for paper
- Exterior coating of chemical measuring equipment
- Extrusion-laminator rollers
- Dryingcylinders
- Off-set transferrolls
- Fixatorrolls for copying machines
- For the protection of UV-lights at very high UV-transmissionvalues
- Lacrolls
- The coating of mixingshaft
- Highgrade electrical-isolation



The benefits of FEP & PFA Shrinktubes:

- No adherence of material to rolls and rollers.
- Chemical resistant against all cleaning and solvents.
- Up to Ø 850 mm seamlessly extruded shrink tubes don't leave markings on the product when using paper guiding rollers and extrusion-laminatorrolls.
- High Temperature resistance: applicable up to 200° C
- FEP or PFA shrink tube coated syntheticrolls and rubberrollers have a significant increase in durability.
- The enormous flexibilitie at high temperatures makes coating broad-stretch rollers possible.
- The low friction resistance and the high surface density prevent friction damage and trouble with picking.
- FEP & PFA have no active chemical properties and are resistant to nearly all chemicals, with the exception of liquid alkali metals and fluoride at high temperatures and certain complex halogenated compounds like chloretriflouride at high temperatures and pressure.

Installation:

FEP and PFA shrinktubes up to Ø 100 mm can easily be placed by you. We will gladly coat your larger rollers for you. If wanted, we will also take care of the installation in your company.



Shrinkrange:

Nom. Ø in inches	min. Ø	max. Ø
3.00"	71 mm	80 mm
3.50"	80 mm	90 mm
4.00"	90 mm	103 mm
4.50"	103 mm	121 mm
5.00"	121 mm	143 mm
6.00"	144 mm	165 mm
7.00"	165 mm	190 mm
8.00"	191 mm	222 mm
9.00"	222 mm	249 mm
10.50"	249 mm	282 mm
12.00"	282 mm	318 mm
13.00"	318 mm	356 mm



Technical specifications for common FEP & PFA shrinktubes:

Properties	FEP	PFA
Meltingpoint	260° C	304° C
Continuous taxability	160° C	200° C
"Flexlife" (cycle) at 23° C	30,000	30,000
"Flexlife" (cycle) at 93° C	80,000	1,500,000
"Flexlife" (cycle) at 166° C	50,000	5,000,000
Dielectric constant	2.1	2.1
Volumeresistance	1x10 ¹⁶ ohm/m	1x10 ¹⁶ ohm/m
Dissipationfactor (25° C, 1000 HZ)	0.0003 max	-
Dielectric strength	55KV/mm	-
Surface finishing	3 micron	3 micron
Friction-coëfficient	0,04	0,04

