

Shrink to Fit FEP Non-Stick Sleeves

Adtech shrink fit roller cover sleeves are a fast simple solution to giving non-stick properties to metal or rubber covered rollers.

They are very easy to fit using commonly available hot air guns, and if necessary can be bonded into place using adhesives. Sleeves can be fitted by the customer or by our own engineers either in our works or on site. Sleeves can be supplied with an etched interior surface to enable them to be bonded or give extra grip. Nip roller applications must always be bonded in place.

Select your sleeve size from the list below choosing the smallest sleeve that will fit over the roller. We can supply most lengths, and also accommodate in-between diameters.



Typical Applications

- + Paper Machine Lead Rolls
- + Replacement Laser Printer Rolls
- + Bowed Tensioning Rolls
- + Hot Melt Laminating Rolls
- + Lithographic Transfer Rolls
- + Sticky Product Conveyor Rolls
- + Photocopier Fuser Rolls
- + Textile Sizing Carrier Rolls

Specifying FEP Roll Cover Sizes

Ordering

We strongly advise that you contact our engineers for advice on the best size for your application.

Roll covers are always held in stock in the sizes listed. In addition we have many other sizes both smaller and larger than listed that are also either in stock or can be produced on short delivery time.

Unusual sizes, with different wall thicknesses can be manufactured to order

If roll covers are to be bonded to the roller then the inside surface needs an etching treatment to make it bondable. This work is normally done to order on covers in stock.

| Adtech Product Number | ID as Supplied | | ID After Shrinking | |
|-----------------------|----------------|--------|--------------------|--------|
| | mm | inches | mm | inches |
| ARC23 | 30 | 1.18 | 23 | 0.9 |
| ARC27 | 35 | 1.37 | 27 | 1.06 |
| ARC32 | 43 | 1.69 | 32 | 1.26 |
| ARC40 | 49 | 1.92 | 40 | 1.57 |
| ARC46 | 59 | 2.32 | 46 | 1.81 |
| ARC56 | 67 | 2.63 | 56 | 2.20 |
| ARC65 | 83 | 3.26 | 65 | 2.55 |
| ARC80 | 98 | 3.85 | 80 | 3.14 |
| ARC100 | 115 | 4.52 | 95 | 3.74 |
| ARC125 | 149 | 5.86 | 113 | 4.44 |
| ARC150 | 177 | 6.96 | 113 | 4.44 |
| ARC175 | 187 | 7.36 | | |
| ARC200 | 213 | 8.38 | | |
| ARC225 | 239 | 9.40 | | |
| ARC250 | 264 | 10.39 | | |
| ARC300 | 315 | 12.40 | | |
| ARC350 | 350 | 13.77 | | |

Select a sleeve size as a loose fit on the roller but no larger than necessary. Slide over the roller. It may be necessary to support the roller vertically or, if the roller is very long or heavy, use a long tube fitted over one of the journals to lift one end of the roll and allow the sleeve to be slid along the tube and then over the roll. Position sleeve over roll so that approximately 25mm extends from each end.

Start shrinking with hot air gun on high setting (200 to 300°C). Point the gun slightly away from the direction you are shrinking to avoid premature shrinking which may cause wrinkles. Slowly rotate the roll and gradually move along the roll shrinking about 12mm each revolution. TAKE CARE to allow the free end of the sleeve to stay loose and not to bind on the journal supports or the roll itself. The sleeve normally lengthens during shrinking and a watch must be kept on the growing free end.

Continue to shrink past the shoulder of the roll and the sleeve will neck down to a smaller diameter. This neck can then be trimmed with a sharp knife blade.

It is advantageous to leave the shoulder covered in this way as it helps to secure the sleeve on the roll if it is not to be bonded in place. However if necessary the sleeve can be cut flush with the end of the roll.

If the sleeve is to be bonded with an adhesive, it must be etched at our factory on the inside surface. For larger rolls the adhesive is injected under the sleeve after fitting and then manipulated to spread it evenly across the whole surface taking great care not to entrap any air. Smaller rolls can be painted with adhesive before the sleeve is applied but adhesive selection is critical, as many adhesive will pre-cure due to the heat of the hot air gun.

Advice should be requested from our technical department before bonding sleeves.



Unique Properties of FEP & PFA

- + Non-stick, low friction surface
- + High temperature resistance (200°C.)
- + Chemical and solvent resistant
- + Non-inflammable
- + Very high electrical resistance
- + Tough

ADTECH POLYMER ENGINEERING LTD.

The Avenue Industrial Estate, Lochgelly, Fife, KY5 9HQ
Scotland

Tel: +44 (0)1592 782155 Fax: +44 (0)1592 783191

Head office: Aston Down East, Stroud, Glos. GL6 8HX
England

Tel: +44 (0)1285 762000 Fax: +44 (0)1285 760632

www.adtech.co.uk