



# UltraFit©

## FEP & PFA Roll Covers

Fluoropolymer UltraFit© sleeves are designed for use with bespoke rollers such as 'C' or 'Banana' rollers.

UltraFit© heat shrinkable roll covers are designed to enable our clients to install larger diameter sleeves over their rollers in house.

Once heated these 'UltraFit©' sleeves perform in a different manner to our standard 'ARC' FEP and PFA roll cover sleeves, as they **do not** expand in length as the diameter recovers, this ensures a perfect 'shrink fit' over the roller.

Whereby, enabling the process to be carried out by less experienced installers, improves the application time, and reduces scrap due to the incorrect application of sleeves.



### Advantages of UltraFit© Roll Covers

- ◆ No sticking, picking or dirty rollers anymore
- ◆ Prevents corrosion
- ◆ Less maintenance
- ◆ Cost effective
- ◆ Handles delicate materials
- ◆ Avoid paper breaks
- ◆ Also used on curved (banana) stretch rollers
- ◆ Higher production speed and better quality
- ◆ Chemical resistance
- ◆ Withstands extreme UV-rays
- ◆ Temperature resistance up to 200°C or 250°C
- ◆ Fast & easy replacement

## Technical Data for UltraFit© Roll Covers

	FEP	PFA
<b>General</b>		
Shrinkage	20 - 25%	20 - 25%
Shrinkage Temperature	121 - 204°C	121 - 204°C
Specific Gravity	2.15	2.15
Water Absorption	0.01%	0.03%
<b>Thermal</b>		
Melting Point	260°C	304°C
Continuous Service Temperature	204°C	249°C
Coefficient of Linear Thermal Expansion	$9.40 \times 10^5$ mm/m/°C	$9.40 \times 10^5$ mm/m/°C
Coefficient of Thermal Conductivity	0.195 W/m/k	0.240 W/m/k
<b>Mechanical</b>		
Tensile Strength at Break (23°C)	21N/nm <sup>2</sup>	28N/nm <sup>2</sup>
Flex Life (cycles) 23°C	80,000	500,000
Flex Life (cycles) 93°C	80,000	1,500,000
Flex Life (cycles) 149°C	50,000	5,000,000
Ra: 0.05 Rz: 0.25		
<b>Electrical</b>		
Dielectric Constant	2.10	2.10
Volume Resistivity	$1 \times 10^5$ 16 ohm-m	$1 \times 10^5$ 16 ohm-m

### Chemical

FEP and PFA are chemically inert and solvent resistant to virtually all chemicals except molten alkali metals, fluorine at elevated temperatures, and certain complex halogenated compounds such as chlorine trifluoride at elevated temperatures and pressures.

**For more information about our FEP & PFA Roll Covers, please visit [adtech.co.uk](http://adtech.co.uk).**

**For other custom sizes or technical assistance, contact our customer service team:**

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