

UltraFit© 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** extend in length as they recover in diameter to ensure a perfect 'shrink fit' over the roller.

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



UltraFit© Roll Cover Sizes

Adtech Part No	Supplied ID (mm inches)	Recovered ID (mm inches)
ARC/UF/16	21 0.83	16 0.63
ARC/UF/19	25 0.98	19 0.75
ARC/UF/23	27 1.18	23 0.90
ARC/UF/27	34 1.37	27 1.06
ARC/UF/32	41 1.69	32 1.26
ARC/UF/40	50 1.92	40 1.57
ARC/UF/46	60 2.32	46 1.81
ARC/UF/56	67 2.63	56 2.20
ARC/UF/65	81 3.26	65 2.55
ARC/UF/80	91 3.85	80 3.14

Adtech Part No	Supplied ID (mm inches)	Recovered ID (mm inches)
ARC/UF/100	116 4.52	95 3.74
ARC/UF/125	148 5.86	113 4.44
ARC/UF/150	174 6.96	130 5.12
ARC/UF/175	180 7.36	150 5.91
ARC/UF/200	203 8.38	177 6.97
ARC/UF/225	241 9.40	204 8.03
ARC/UF/250	266 10.39	242 9.53
ARC/UF/300	315 12.40	266 10.47
ARC/UF/350	350 13.77	315 12.40

For more information about our FEP & PFA Roll Covers, please visit adtech.co.uk.

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

+44 (0)1285 762000 - sales@adtech.co.uk

Technical Data for UltraFit© Roll Covers

	FEP	PFA
General		
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%
Thermal		
Melting Point	260°C	304°C
Continuous Service Temperature	204°C	249°C
Coefficient of Linear Thermal Expansion	9.40×10^5 mm/m/°C	9.40×10^5 mm/m/°C
Coefficient of Thermal Conductivity	0.195 W/m/k	0.240 W/m/k
Mechanical		
Tensile Strength at Break (23°C)	21N/nm ²	28N/nm ²
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		
Electrical		
Dielectric Constant	2.10	2.10
Volume Resistivity	1×10^5 16 ohm-m	1×10^5 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.

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