

# Polishing films

## Description:

The polishing films are designed to processing of ferrule end face. Film cuts and polish the hard ceramic ferrules and the softer fibers close to the same rate, easily controlling fiber undercut or protrusion. Diamond films helps assure the ferrule geometries meet the Telcordia GR 326 and leave the ferrule ready for final polishing. It allows reaching superior optical performance with Ultra polishing (UPC) and Angled polishing (APC) methods. It can be used with polishing machines or for hand polishing.

## Application:

- Superior value of return loss with UPC (<55 dB) and APC (<65 dB)
- Hand or machine polishing
- Available in rolls, sheets or discs
- Wide range of grit size for epoxy removal, rough, medium and fine polishing
- Different material to ensure optimal optical performance
- Suitable for most industry polishing machines



## Specifications:

Polishing step	Material <sup>1</sup>	Grit size	Color
Epoxy removal	Silicon Carbide	30 µm	green
	diamond	30 µm	green
Rough polish	diamond	5 µm	brown
Medium polish	diamond	3 µm	pink
	diamond	1 µm	purple
Final polish	SiO <sub>2</sub>	sub-micron	white

Note: 1) Other material (e.g aluminium oxide) on request

## Ordering code:

<b>OPF -</b>	<b>XX<sup>1</sup></b>	<b>- XX</b>	<b>- XX</b>	<b>- XX</b>
<b>XX</b>	<b>diameter</b>	<b>XX</b>	<b>grit size</b>	<b>XX</b> <b>material</b>
50	5 inch disc	30	30 microns	D diamond
		05	5 microns	SC silicon carbide
		03	3 microns	SO SiO <sub>2</sub>
		01	1 micron	
		FP	final polishing	



Note: 1) other films (different diameters, shapes or grit sizes) available on request