

# Teflon PFA Copolymer Coil

**Formula:** PFA

**Thickness:** 0.025mm

**Coil Width:** 370mm

**Length:** 5m

**Transparency:** Clear/Transparent

**UOM Code:** 005-246-07

**SKU:** 1000000678-group

**Product Code:** FV32-FM-000125

## Material Properties for Polymers

### Chemical Resistance

Element	Value
Acids - concentrated	Excellent
Acids - dilute	Excellent
Alcohols	Excellent
Alkalis	Excellent
Aromatic hydrocarbons	Excellent
Greases and Oils	Excellent
Halogens	Excellent
Ketones	Excellent

### Electrical Properties

Element	Value
Dielectric constant @ 1kHz	2.05-2.06
Dielectric constant @ 1MHz	2.05-2.06
Dissipation factor @ 1kHz	0.0001-0.0002
Dissipation factor @ 1MHz	0.0008

### Physical Properties

Element	Value
Flammability	V0
Refractive index	1.35

<b>Element</b>	<b>Value</b>
Limiting oxygen index( % )	95%
Water absorption( % )	0.03
Density( gcm <sup>3</sup> )	2.15

## **Mechanical Properties**

<b>Element</b>	<b>Value</b>
Elongation at break( % )	300
Tensile strength( MPa )	25

## **Thermal Properties**

<b>Element</b>	<b>Value</b>
Heat-deflection temperature - 0.45MPa( C )	63-80
Heat-deflection temperature - 1.8MPa( C )	48-50
Upper working temperature( C )	260
Thermal conductivity( W m <sup>-1</sup> K <sup>-1</sup> )	0.19
Coefficient of thermal expansion( x10 <sup>-4</sup> K <sup>-1</sup> )	76-78