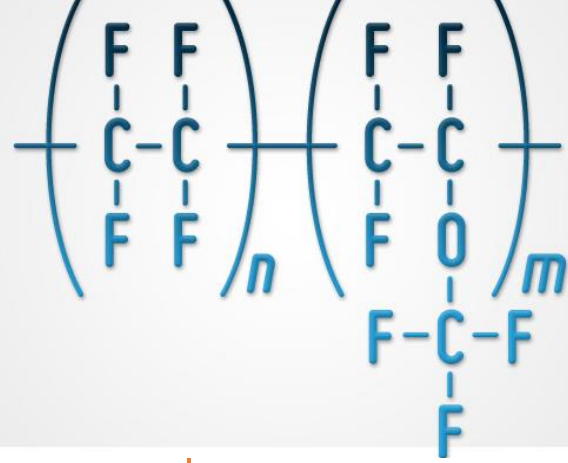


# MFA



## **MFA (tetrafluoroethylene perfluoromethylvinylether)**

*MFA is typically used for applications in the chemical and electrical industry requiring high temperatures.*

### **Material properties**

- Excellent chemical resistance
- Low coefficient of friction
- Very smooth surface (easy to clean)
- Working temperature from -200°C to +240°C

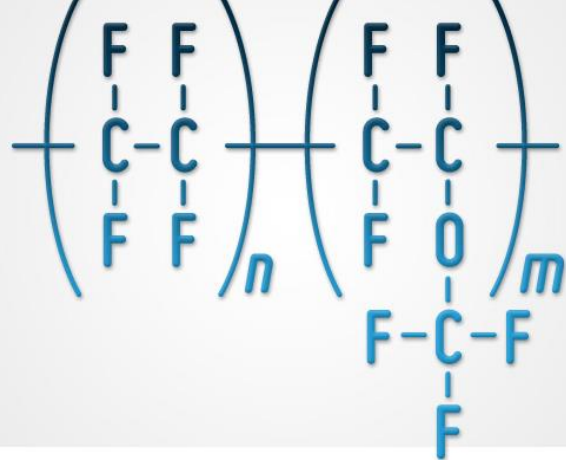
### **Possibilities**

- MFA tubing
  - MFA heat shrink tubing
  - Cleanroom MFA tubing
  - MFA monofilament
  - MFA film/foil
- etc.

### **Technical information**

MFA is applicable in a high temperature range. Because of this it is very suitable for applications in the chemical industry and electronics.

# MFA



## General properties MFA

	Property	Specificatie	Unit	Value
General	Continuous working temp.	Maximaal	°C	240
	Chemical resistance		-	Excellent
	Specific gravity	D792	-	2.15
Electrical	Dielectric constant	D150 bij 10 <sup>3</sup> HZ	-	2.1
		D150 bij 10 <sup>-6</sup> HZ	-	2.1
	Dielectric dissipation factor	D150 bij 10 <sup>3</sup> HZ	-	0.0002
		D150 bij 10 <sup>-6</sup> HZ	-	0.0003
	Dielectric strength	D149	Volt/mil	2000
	Volume resistivity	D257	Ohm·cm	>10 <sup>17</sup>
Mechanical	Tensile strength	D1708, D638	psi	3500
	Elongation	D1708, D638	%	300
	Compressive strength	D695	psi	2200
	Impact strength	D256 bij 23°C	Ft-Lb/in	No break
	Flexural Modulus	D790 bij 23°C	psi	95000
	Tensile Modulus	D638	psi	40000
	Hardness	D2240	-	D59
Thermal	Melting point		°C	285
	Thermal conductivity	C-177	BTU/hr/ft <sup>2</sup> /°F. in	1.4
	HDT	D648	°C	
	method A			65
	method B			50

Actual properties may change due to processing method, compound type, extruded dimensions and other variables. It is the user's responsibility to evaluate and fully test the suitability of the product for their specific application.