

## Eriflon® PTFE CG

Color	: black
Mechanical	: easy to machine, gives long chips
Glue severability	: not possible
Weldability	: not possible
Food contact	: not allowed

Sheet	: 2 t/m 40 mm
Rod	: 10 t/m 300 mm
Tube	: 6 x 12 t/m 350 x 200 mm (2 en 0,3
Foil	: on request
Fixed formd	:

### General properties

	Test method	Value	Unit
ISO code	ISO 1183	PTFE CG	
Density	ISO 1183-1	2,08	g/cm <sup>3</sup>
Water absorption in Air (23°C / 50% RH)	ISO 62	0.09	%
Water absorption in Air (23°C / 100% RH)	ISO 62	0.09	%
Resistance to hot water	n/a	+	
Weather resistance	n/a	+	

### Mechanical properties

Elongation at break	ISO 527	100	%
Ball Indention Hardness	ISO 2039	38	MPa
Tensile modulus of elasticity	ISO 527	925	MPa
Charpy impact strength - notched	ISO 179	0.71	kJ/m <sup>2</sup>
Charpy impact strength - unnotched	ISO 179	no break	kJ/m <sup>2</sup>
Compressive stress at 1%	n/a	6	MPa
Coefficient of friction	n/a	0.1	

### Thermal properties

Melting temperature	n/a	327	°C
Max. allowable service temp (short period)	n/a	280	°C
Max. allowable service temp (long period)	n/a	250	°C
Min. service temperature	n/a	-250	°C
Coefficient of linear expansion	n/a	80	x10 <sup>-6</sup> m/(m*K)
Thermal conductivity at 23 °C	n/a	0.60	W/K.m.
Flammability	UL94	V0	

### Electrical properties

Dielectric Dissipation (@1MHz)	ISO 60250	0.08	Ω
Electric Strength	ISO 60243	4	kV/mm
Surface Resistivity	ISO 60093	>10 <sup>7</sup>	Ω.cm

### Optical properties

Light transmission	ASTM D1003		%
Refractive index	ISO 489		

Date: 17/11/20

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